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Registration & **Subscription**

Account Registration/ Maintenance

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Please enter keywords or use syntax.	Q

Fill out the form as seen below. Enter your:

- 1. Email address
- 2. Password
- 3. Reenter your password to confirm it
- 4. Your first and last name

Then, click on **Confirm** to submit your registration. You can also register using social media platforms, such as Facebook, Google, Twitter, LinkedIn, and QQ.

Sign Up

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Once you have received the verification email, click on **Activate My Account** to activate. Now you can sign in to Patentcloud with your registered email address.

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- 1. Sign in to your account.
- 2. Starting on the Patent Search main page, click on the Subscribe to Patent Search button.

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3. The webpage below will be displayed. To subscribe to Patent Search, select the billing period that you wish to use – **Annually** or **Monthly.** Then, choose the subscription level that you wish to purchase - Basic, Advanced, or Premium. Once done, click on Subscribe Now.

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5. On the Payment page, please enter your credit card information and your invoice information.

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Refunds and Returns

Please note that there are **no refunds** for Patentcloud's subscriptions.

Purchase History

Your purchase history can be viewed in the **Account** section of your account. Please follow the steps below to access your previously purchased items.

8. Click on the round icon on the upper right side, then click on Account.



9. On the left panel, click on Summary. You will see your **Subscription Status** information.

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Data Search

Quick Search

Go to the Patentcloud homepage to start your Quick Search:

1. Enter your search criteria in the search box. You can also use keyword search syntax and Boolean operators (NOT/AND/OR) to obtain a more accurate result. See all syntax codes <u>here</u>.

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	1. Click on the Arrow Down icon to show search parameters in a Aropdown list.
2. Select your 3. Select your search parameters Boolean operator from the dropdown list.	Search History C Reset 4. Click on Convert to Query.
AND V Abstract V + Add Field	To search for an exact phrase, use quotation marks (e.g., "General Mc 🛛 🛣 🛆

Steps:

- 1. Click on the dropdown to show more specific search filters.
- 2. Select your Boolean operator.
- 3. Select your search parameters from the dropdown list.

4. Click on **Convert to Query**. Your keyword will then appear in the correct search format in the search box above.

5. Click on the Search button.

Note: You can now also check your <u>Search History</u> next to the Convert to Query button.

Advanced Search

Use Advanced Search to search by:

- keyword or date <u>syntax</u>
- keyword <u>expansion</u>
- <u>company affiliation</u>
- assignment or transaction record
- <u>technology classification</u>

How to use Advanced Search:

Patent Search Advanced and Premium provide you with an Advanced Search option that provides a Count feature to easily indicate the number of patents that match your search. You can combine, filter and view the match results on one page for more accuracy and ease of viewing. Advanced Search easily displays the results that match your keyword search and query search.

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Steps:

1. Select your search parameter from the dropdown list then type the corresponding keyword in the query box. When entering multiple keywords in one query box, do not include punctuation marks such as commas. Then, choose a Boolean operator (AND/OR) to set the relationship between the multiple keywords in the same query box. Users can also use syntax codes and form query strings - see all syntax codes <u>here</u>.

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2. Click on **Count** to view the matching patent results.

3. To save this query line and combine with other queries later, click on **Apply**. To view the search results right away, click on the resulting number after clicking Count.

4. To combine multiple queries in your Search Report box, click on **Combination**. Enter the corresponding number of the search queries you want to combine and add a Boolean operator (AND/OR/NOT) after every number to set the relationship.

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5. Click on **Count** to view the number of resulting matches. Click on the resulting number to view search results.

6. Click on **Apply** to save and combine with other queries or combinations later.

Other functionalities in the Search Report tab:

Export

Save (refer to steps below)

View Search History

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If you want to export the Search Report as an Excel file, click on **Export** and get a similar file like below.

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How to save an Advanced Search query:

Firstly, set the Optimum Query (i.e. the combination) as this will be the query that will be executed from the Search History's Recent or Saved tab.

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Then, click on the Save icon. Enter a title for this query and confirm the Optimum Query that is selected.

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Access all your Saved queries within the Saved tab of Search History.

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	S1	Keyword Search	CO detector	carbon monoxide detector	i	51,184	2019-05-20 17:09	0 🖂		
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* Patentcloud automatically saves up to 100 queries.

To know more about the functions available in Search History, please refer to this article.

Number Search

Number Search gives you the ability of searching without the hassle of using the patent or application number syntax. It optimizes patent search and improves the accuracy by eliminating any irrelevant results. (Separate numbers with semicolons, spaces, or new lines. Maximum number of app./pub./issue numbers: 2000)

1. Choose Patent No. or Appl. No. (Application No.) from the dropdown list.

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2. Key in the patent or application number, click **Find**, then click the resulting count of patents found to see the details.

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3. For a batch upload, click on Import patents then click on Download Template.

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4. Quickly determine which patent/application numbers were not recognized by downloading an Excel report for it.



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Keyword Expansion

Oftentimes, many different variations of a word are used in patent publications and issues. Therefore, in order to perform a thorough patent search, it is necessary to expand your search to other related variants of your keyword. This is where the Keyword Expansion feature can help.

To use this feature, please follow the steps below:

1. In the Advanced Search (for Advanced and PRemium subscriptions only) tab, enter a keyword into the search box next to the drop-down menu, then click on

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	Quick Search	Advanced Search	Semantic Search	Number Search	Search Hist	ory	
Settings					C Rese	t	
TAC	✓ ca	ar			🛛 OR 🗸	Count	Apply
+ Add Field	d						
You can use	syntax here if you need to a	search for complex que	ries.		j "D	Count	Apply
					🥊 Syntax 🚿	•	
Search Repor	rt 🔁		👶 Combina	ation 🕒 Expo	ort 🔀 Sav	e 📃 Sa	aved Reports
No.	Field		Keywords		Boolean	Result	Delete

Similarly, Keyword Expansion can be found In the **Quick Search** tab,

ratent Search												
	C	uick Search	Advanced Search	Semantic Search	Number Search	Search History						
Settings												
ase enter keyw	vords or	use syntax.					2					
				^								
					3 Search Histor	y 🚹 Convert to Que	ery <mark>C'</mark> Re	set				
AND	\sim	Abstract	\sim	car			×	\Diamond				
AND	\sim	Title	\sim	car			×	\diamond				
	\sim	Claims	\sim	car			\approx	\Diamond				
AND												

2. The Keyword Expansion window will appear. You can choose different languages, click **Expansion**, select related word expansion, then click **Confirm** to apply.

Кеу	word Expansion					×
Selec Keyw	et the languages you want to ex rords:	kpand.: 🗹 German 🛛 English	✔ 簡中 ✔ 繁中 ✔ Japan	ese Korean Expansion	l	?
"car"	' OR "auto" OR "carboxin" OR "car"	' OR "萎" OR "汽车" OR "萎" OR "汽車	▣" OR "カルボキシン" OR "カルボ≐	トシンー" OR "車"		
Syno	nyms/Related Words Expansio	n:				
	German	English	簡中	繁中	Japanese	
	i car I auto	 ✓ carboxin ✓ car 	 又 萎 又 汽车 	 >	 ✓ カルボキシン ✓ カルボキシンー ✓ 車 	Î
		🗌 car magazine				
		automobilism				
	automobil	🔲 notorcar	□ 摩托车	□ 摩托車		
		automobles				
		motorisation				

3. After clicking **Confirm**, the selected keywords will appear on your search field.

Patent Cloud Patent Search											
Quick Sea	Advanced Search Semantic Search	Number Search	Search History								
√Settings			C' Reset								
TAC	car auto car 汽车 汽車 車 motorcar 摩托车 摩托車	≣ automotive auton	🖾 OR 🗸	Count	Apply						

Smart Search

Smart Search automatically performs keyword searches for related words and synonyms of the original query. On Smart Search, there is no need to input any syntax. It's similar to the Keyword Expansion feature. However, with Smart Search, the searches are performed on all of the related keywords, whereas Keyword Expansion allows you to fine-tune searches based on your own criteria. To use Smart Search, please follow the steps below:

1. In Quick Search, simply switch from Keyword Search to Smart Search, input your text query without

any synt	ax, and click o	n ^{q*} .												
	Patent Cloud Patent Search													
	Quick Search	Advanced Search	Semantic Search	Number Search	Search History									
Please enter keywor	ds or use syntax.				9									
Keyword Search	⊖ Smart Search				How to use Patent Search									
			\sim											

2. Results will show all of the patents with keywords related to what you have entered.

														Projec
Smart Search self-drivin	g car								Search \vee	Save 🔻				
Advanced Filter		7	7 6	2 💷 👔	ñ 🖻	⊳	0	3					2,573	3 records
Patent Office	\sim													
Patent Type	\sim													
Assignee/Applicant	\sim] 1. Se	f-driving ca	r schedu	iling met	thod, car	scheduling ser	ver, and self-	driving car				
Assignee (Std)	~		R			Patent	t No.: <u>US1</u>	0409289B2	Assignee:		Applicant:	Inventor:		
Curr Accignoo	·				100	Pub./I	ssue Date	2019-09-10	Original: Huawei	Technologies Co.,	HUAWEI TECHNOLOGIES CO., LT	D. Huimin Zhang		
Guil. Assignee					1	Appl. I	No.: 15/34	-3603	+ Standard	lize:				
Inventor	\sim		-		tita - Colo	Appl. I	Date: 2016	-11-04	HUAWE	TECHNOLOGIES				
Legal Status 👩	~													
Abandon Type	\sim		Th	e present inv	ention be	longs to t	the field of	computer techn	ologies, and d	scloses a self-driving	car scheduling method, a car schedu	ling server, and a self-driving car. 1	The method include:	s: receivinç
Quality 🕜	\sim		rid ac	e request an cording to cu	d driving i rrent loca	nformatio ition infor	on of self-c rmation, cu	driving cars withi urrent road statu	n a managem s information,	ent range, at least one and planned route info	first candidate car from the multiple ormation of each first candidate car, o	self-driving cars; calculating a first determining a final ्रि	t time required by ea	ach first ca
Value 👩	\sim		2 SE	F-DRIVING	CAR SC		NG METH	OD CAR SCHE	DUILING SER	/FR_AND SELE-DRIV	/ING CAR			
IPC	\sim				0/11/00	LEGOLI		00,011100112	DOLINO OLI					
			R			Patent	t No.: <u>US2</u>	0170075358A1	Assignee:		Applicant:	Inventor:		
CPC	~			ก์ 🧭	All Contraction	Pub./I	Issue Date:	. 2017-03-16	 Original: Huawei 	Technologies Co.,	Huawei Technologies Co., Ltd.	Huimin Zhang		
Locarno	\sim		r	ji_//)	Appl. 1	Dete: 2016	5005	+ Standard	lize:				
USPC	\sim		2	and the second s	And Sharay a 10	Appi. I	Date: 2010	-11-04	HUAWE	TECHNOLOGIES				
FI	~													
Agency	\sim		Th	e present inv	ention be	longs to t	the field of	computer techn	ologies, and d	scloses a self-driving	car scheduling method, a car schedu	ling server, and a self-driving car. 1	The method include	s: receiving

Classification Query

When you want to perform a search based on a patent's classification code and its description, then you can use Classification Search. If you are unsure of the code, you can use Classification Query to find out. The Classification Query is integrated into the Classification Search.

Currently Classification Search is available in both <u>Advanced Search</u> (for Advanced and Premium subscriptions only) and <u>Quick Search</u> features:

In the Advanced Search tab:

1. Use the dropdown list for search parameters.

		P	atent C Pate	loud nt Search			
	Quick Search	Advanced Search	Semantic Search	Number Search	Search History		
Settings					C' Reset		
TAC + Add Field	~	Use quotation marks for	an exact phrase, e.g. "I	ed lamp".	🔀 0R 🗸	Count	Apply

2. Choose one of the classification types under **Classification** from the dropdown menu. Learn more about the difference between classification with hierarchy and without in this <u>article</u>.



	Quick Sea	arch	Advanced Search Sema	ntic Search	Number	Search	Search His	tory	
	▼ Settings TAC Classification Main IPC (Hierarchy) Main IPC IPC (Hierarchy) IPC Main CPC (Hierarchy) Main CPC (Hierarchy) Main CPC	•	Use quotation marks for an exact to search for complex queries.	t phrase, e.g. "le	ed lamp".		C'Res OR Syntax	et Count Count	Apply
Se	Main USPC (Hierarchy) Main USPC	L		\delta Combina	ition	🕒 Export	t 🐻 Sav	ve 📃 Sa	ved Reports
	USPC (Hierarchy) USPC		Ke	eywords			Boolean	Result	Delete
	FI (Hierarchy) FI Main Locarno Locarno F-term D-term								

3. Key in the classification number and click **Count** for how many patents as a result.

Patent Cloud Patent Search		
Quick Search Advanced Search Semantic Search Number Search	Search History	
♥ Settings Main IPC (Hierarchy) ∨ G01N33/487	C ² Reset C OR ∨ <u>16,003</u>	Apply
You can use syntax here if you need to search for complex queries.	°D Count € Syntax ✓	Apply

4. Search results will now include both the patents in that specific subgroup and those found within its child subgroup.

~

Keyword Search MICLH/(G01N33/487)						Save 🔻		
dvanced Filter		V	🖉 🗆 m 🖻 🕞	Image: A transformed and tr				
Patent Office	\sim							
Patent Type	\sim							
Assignee/Applicant	\sim	□ 1.	LABORATORIUM DALAM SUAT	TU DISK				
Assignes (Std)	~		Patent No.: ID22965A	Assignee:	А	pplicant:	nventor:	
Assignee (ota)			Pub./Issue Date: 1999-12-23	+ Original:	В	URSTEIN LAB INC	/IRTANEN JORMA	
Curr. Assignee	\sim		Appl. No.: 19990001121D	+ Standardize:				
Inventor	\sim		Appl. Date: 1998-02-27	BURSTEIN LABORATORIE				
Legal Status 👩	\sim	2	REAGENT FOR THE DETECTION	N OF NITRITE				
Abandon Type	\sim		Patent No.: IL40001D0	Assignee:	А	pplicant:		
Quality 🙆	\checkmark		Pub./Issue Date: 1972-09-28	Original:	N	IERCK PATENT GMBH		
			Appl. No.: 19720040001	+ Standardize:				
Value 🕜	\sim		Appl. Date: 1972-07-26	MERCK PATENT GMBH				
IPC	\sim	·	nadronizador de volume de cri	o e plaquetas				
CPC	\sim			o o piaquotao				
			Patent No.: BRMU8902998U2	Assignee:		Applicant:	Inventor:	
Locarno	\sim		Pub./Issue Date: 2011-07-19	 Original: 		FUNDACAO DE AMPARO A PESQUI	SA ZIVIANI LEONEL FERNANDES	
USPC	\sim		Appl. No.: 2009MU02998U	Standardize: EUNDACAO DE AMONDO		ZIVIANI LEONEL FERNANDES		
			Appl. Date: 2009-11-27	I UNDAGAU DE AMIPARU				
H	\sim		PADRONIZADOR DE VOLUME DE	CRIO E PLAQUETAS. Patente de	e modelo (de utilidade sendo um modelo de ec	uipamento utilizado em extratores r	nanuais de hemocomponent
Agency	\sim		Plaquetas. Trata-se de um suport	e duplo de bolsas com hastes o	opostas e	calços calibrados, que poderão ser	metálicos, de plástico, de acrílico, de	policarbonato ou de outro p
			ângulo adequado de modo a aum	nentar a precisão do volume do:	s hemocor	mponentes possuindo espessuras d	iferentes para separação de cada he	emocomponente do sangue,

The hierarchical classification has been integrated natively into the Classification Query window, which is accessible under the customized query box: users can access it to perform a keyword search among both parent and child subclasses to narrow down the search results.

1. Click the icon to enter classification	query			
💦 Pat	ent Patent Search			
Quick Search Advanced Search Serr	antic Search Number Search	Search History		
∀ Settings		C Reset		
Main IPC (Hierarchy) V G01N33/487		C OR 🗸	<u>16,003</u>	Apply
+ Add Field				
You can use syntax here if you need to search for complex queries.		"D	Count	Apply
		🂡 Syntax 🗸		

2. In Classification Query, key in the search term and exclusions then click Search. Tick the checkboxes of the categories you want to use, click on the Arrow Right button, then click on Convert to Query.

You can also do a quick find based on the first letter or the section, from "A" to "H".

Classification Query		×
Search Terms:	IPC	Selected Classifications:
vehicle car	A B C D E F G H	
	BOOF TRANSPORT TO CAMPRISE SPECIAL LOADS OR OBJECTS OBJECTS ODJECTS ODJECTS	
	unloading B60P 3/00 <u>Vehicids</u> adapted to transport, to <u>cat</u> ry or to comprise special loads or objects B60P 3/06 • for <u>cat</u> rying <u>vehicids</u>	
Exclude:	B60P 3/07 •• for carrying road vehicles B60P 3/08 ••• Multilevel-deck construction carrying Waltilevel	
English Input	 B60P 3/32 • comprising living accommodation for people, e.g.	
	B60P 5/00 Arrangements of weighing machines on vehicles B60P 7/00 Securing or covering of load on vehicles B60P 7/00 Other vehicles predominantly for corrying loads	
	BOOR VEHICLES, VEHICLE FITTINGS, OR VEHICLE PARTS, NOT OTHERWISE PROVIDED FOR	
💐 Clear All	Book 9/00 Supprementary intungs on veniced exterior or marrying loads, e.g. luggage, sports gear or the like Book 9/04 • Carriers associated with vehicle roof Book 9/04 • Carriers associated with vehicle roof	💐 Clear All
Search	Door 0/02 - Manual comprising clonique members	Convert to Query

3. Then, the classification codes will appear on the search box.

Patent Cloud Patent Search			
Quick Search Advanced Search Semantic Search Number Sea	rch Search History		
∀ Settings	C Reset		
Main IPC (Hierarchy) V G01N33/487B60* B60P* B60P0001*	C OR 🗸	<u>16,003</u>	Apply
+ Add Field			
You can use syntax here if you need to search for complex queries.	3	Count	Apply
	🤗 Syntax 🗸		

Similarly, you can also go to **Quick Search** and choose one of the classification types under **Classification** from the dropdown menu.

Patent Search								
	Qu	uick Search Advance	ed Search	Semantic Search	Number Search	Search History		
Settings								
ase enter ke	eywords or u	ise syntax.					Q	
				^				
		IDO (Ulassacha)		^	Search Histo	ry 🚹 Convert to Quer	y C' Re	set
AND	~	IPC (Hierarchy)	~	G06F019/00, B25J19/	Search Histo *, G06F*	ry 🚹 Convert to Quer	y C' Re	eset
AND	~	IPC (Hierarchy) CPC (Hierarchy)	~	G06F019/00, B25J19/ H05K001/0306, H01L	Search Histo *, G06F* 3/*, G06F*	ry 📩 Convert to Quer	y C' Re	eset
AND AND AND	× × ×	IPC (Hierarchy) CPC (Hierarchy) USPC (Hierarchy)	~ ~ ~	G06F019/00, B25J19/ H05K001/0306, H01L 370/329, 70/264	Search Histo *, G06F* 3/*, G06F*	ry 🔁 Convert to Quer	y C'Re G G	iset ර ර
AND AND AND AND	× × ×	IPC (Hierarchy) CPC (Hierarchy) USPC (Hierarchy) Fl (Hierarchy)	~ ~ ~	G06F019/00, B25J19/ H05K001/0306, H01L 370/329, 70/264 C03C27/06, 101C, H03	Search Histo *, G06F* 3/*, G06F* 5B37/*, H01L*	ry 🔁 Convert to Quer	y C'Re G G G G	eset ර ර

Corporate Affiliation Query

Sometimes companies may have variations in their names, subsidiaries or affiliates, depending on the business strategies or countries in which they are located. In order to perform a comprehensive patent

search, every possible variation of an assignee name needs to be considered. This can be done with Patent Search's Corporate Affiliation Search (Advanced and Premium subscriptions only) feature. To use Corporate Affiliation Search, follow the steps below:

1. Using Quick Search or Advanced Search, select Assignee (or Current Assignee, Licensor... etc) under

party category in the parameter box, and then press the Corporate Affiliation icon

Patent Cloud Patent Search			
Quick Search Advanced Search Semantic Search Number Search	Search History		
Settings Assignee + Add Field	C Reset	Count	Apply
You can use syntax here if you need to search for complex queries.	9 Syntax V	Count	Apply

2. The Corporate Affiliation window will be displayed. In the Keywords box, type in the name of the organization, click **Search**, select affiliations, then click **Convert to Query**. For ease of use, any match to your keyword will be in bold.



3. The selected organization names will be displayed in the Assignee textbox, ready to search.



	Quick Search	Advanced Search	Semantic Search	Number Search	Search History	/	
Settings Assignee + Add Field	~	IBM CORP" "CITLOI SAS	SU" "IBM GLOBAL FINAM	ICING CANADA COF	C ² Reset L ² OR ∨	Count	Арріу
You can use syn	tax here if you need to	search for complex que	eries.		Ĵ	Count	Apply
					🂡 Syntax 🗸		
Search Report	3		👶 Combin	ation 🕒 Expo	t 🔀 Save	≡ Sa	aved Reports
No.	Field		Keywords		Boolean	Result	Delete

Legal Status (Description & Syntax)

The legal status of a patent/application is selected from:

#	Pub./Issue	Simple Classification	Complete Classification	Description	Syntax
1	Pub.	Pending	Pending	The application is yet to be examined.	LLS/1
2	Pub.	Pending	Exam.	The application is under examination.	LLS/2
7	Pub.	PGPub - Granted	PGPub - Granted	The application was allowed and a patent has been granted. This is the pre-grant publication (PGPub).	LLS/7
3	Issue	Active	Active	The patent is active.	LLS/3
4	Pub./Issue	Inactive	Abandoned	The application was abandoned by the applicant and, therefore, is inactive; or the patent was withdrawn, or not paid for (lapsed), by the assignee and, therefore, is inactive.	LLS/4
4.1	Pub.	Inactive	Abandoned	The application was abandoned by applicant and, therefore, is inactive.	Display Only
4.2	Issue	Inactive	Withdrawn	The patent was withdrawn by the assignee and, therefore, is inactive.	Display Only
4.3	Issue	Inactive	Lapsed	The patent was not paid for (lapsed) by the assignee and, therefore, is inactive.	Display Only
4.4	Issue	Inactive	No Active State	The (EP) patent has no active designated state and, therefore, is inactive.	Display Only
5	Issue	Inactive	Expired	The patent is expired because the patent term is due and, therefore, is inactive.	LLS/5
6	Pub./Issue	Inactive	Revoked	The patent was revoked through invalidation proceedings (including opposition) and, therefore, is inactive.	LLS/6
8	Issue	Inactive	Reissued	The patent was reissued otherwise and, therefore, is inactive.	LLS/8

Syntax Keywords

Syntax Keywords provide a list of commonly used search syntax. You can click directly on the syntax you want to use, followed by your search query. To access this syntax box, simply type any known USPTO search syntax or **a** / in the search box and it will automatically appear. Click on the **Syntax** List to see the full list.

Please refer to the respective articles on <u>Quick Search</u> and <u>Advanced Search</u> to know how to use syntax codes in each search type.



Syntax Operator	Example	Explanation
*	SPEC/app*	The * syntax operator is used as a multi-character variable.
		In the following example, SPEC/app* will search for any word that begins with "app-," no matter how long the word is.
?	SPEC/app?	The ? Syntax operator is used as a single character variable.
		In the following example, SPEC/app? will search for any word that begins with "app-" and will include only words with one additional character.

	SPEC/"artificial"	The "" syntax operator will search for the exact words/characters enclosed by the quotation marks.
		In the following example, SPEC/"artificial" will search for the exact word "artificial."
		Note: When using NEAR, do not use quotation marks (" ") in your query.
0	SPEC/(art OR paint) AND canvas	The () syntax operator denotes the order of precedence when performing a search. Operations within the parentheses will be operated on first.
AND	SPEC/(art AND paint)	The AND syntax operator will search for both keywords on either side of the AND syntax operator. Results will be shown only if the results contain both keywords.
OR	SPEC/(art OR paint)	The OR syntax operator will search for both keywords on either side of the OR syntax operator. Results will be shown only if the results contain only one keyword, or the other keyword, or both keywords.
NOT	SPEC/(art AND NOT paint)	The NOT syntax operator will not search for the keyword after the NOT syntax operator.
		In the following example, SPEC/(art AND NOT paint) will search for the word "art" in the description, but it will ignore any results which include both the keyword "art" and the keyword "paint" in the description.

WITH	AAN/(GOOGLE) WITH AAR/(EYEFLUEN CE)	The WITH operator will search for data fields in a single transaction record. For example, the search for GOOGLE as assignee WITH EYEFLUENCE as assignor will result in the patents that were directly transferred to GOOGLE from EYEFLUENCE. Take US8885877B2 as an example: Q1: AAN/(google) AND AAR/(EYE-COM) AND pn/US885877B2 → 1 result: wrong result for non-direct transfer Q2: AAN/(google) WITH AAR/(EYE-COM) AND pn/US885877B2 → 0 result: correct result for non-direct transfer Q3: AAN/(google) WITH AAR/(EYEFLUENCE) AND pn/US885877B2 → 1 result: correct result for direct transfer Q3: AAN/(google) WITH AAR/(EYEFLUENCE) AND pn/US8885877B2 → 1 result: correct result for direct transfer The WITH syntax operator is used between assignment data fields (in a pair): Assignment assignee & assignor (AAN, AAR), Licensee & Licensor (LNE, LNO), Pledgee & Pledgor (PGE, PGO). Note: Do not embrace the query with additional parenthesis, or the WITH syntax operator will not work well, such as (AAN/(GOOGLE)) WITH AAR/(EYEFLUENCE)→ wrong result because a pair of parenthesis "()" separates AAN/ from WITH.
	AAN/(GOOGLE) WITH DUR/2017* AAN/(GOOGLE) WITH AAR/(EYEFLUEN CE) WITH DUR/2017*	The DUR syntax keyword will search for transaction records occurred during a specific time period. Query Example: Q4: AAN/(google) AND TRD/2013* AND pn/US8885877B2 → 1 result: wrong result because the transaction record of google as assignee in this patent is not in 2013 but in 2017 Q5: AAN/(google) WITH DUR/2013* AND pn/US8885877B2 → 0 result: correct result Q6: AAN/(google) WITH DUR/2017* AND pn/US8885877B2 → 1 result: correct result
" " (Space)	FCLH/(G06F9 G06F3)	In Syntax Keyword search or Quick Search, space equals to "AND". You can use space to separate two keywords. In Advanced Search, space will be converted to "OR" or "AND", depending on your selection.
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Keywords				
Data Field	Syntax	Example	Notes	
Title	TTL	TTL/Antibacteri* TTL/"Carbon nanotubes"	You can build a query using the original language of the application or English. *The search results may be different due to a delay in the English translation.	
Descripti on	SPEC	SPEC/Antibacteri*		
Claims	ACLM	ACLM/emitting		
Abstract	ABST	ABST/"Carbon nanotubes"	You can build a query using the original language of the application or English. *The search results may be different due to a delay in the English translation.	
Full-Text	FULL	FULL/"bowling ball"	This is the default field. You may enter a query without any syntax.	
Title, Abstract and Claim	TAC	TAC/(computer notebook)	This will simultaneously search for the patents with the keywords found together in either the title, or the abstract, or the claim sections. e.g. TAC/(computer notebook) = TTL/(computer AND notebook) OR ABST/(computer AND notebook) OR ACLM/(computer AND notebook)	

		TAC/computer AND TAC/notebook	This will simultaneously search for the patents with the keywords that must be found in either the title, or the abstract or the claim sections. e.g. (TTL/computer or ABST/computer or ACLM/computer) AND (TTL/notebook or ABST/notebook or ACLM/notebook)
Abstract AC and Claim	AC	AC/(computer notebook)	This will simultaneously search for the patents with the keywords found together in the abstract or the claim sections. e.g. AC/(computer notebook) = ABST/(computer AND notebook) OR ACLM/(computer AND notebook)
		AC/computer AND AC/notebook	This will simultaneously search for the patents with the keywords that must be found in either the abstract or the claim sections. e.g. AC/computer AND AC/notebook = (ABST/computer or ACLM/computer) AND (ABST/notebook or ACLM/notebook)

Near	NEAR(?)	TAC/((computer notebook tablet phone) NEAR3 (wireless communication transmission))	1. The "?" denotes the range of words within which to search for the keyword pairs. Range is unlimited.
			2. The maximum number of keyword pairs to search for is 300.
			3. The NEAR operator must be used together with a syntax keyword, as seen in the example.
			4. Using two or more consecutive NEAR operators is NOT allowed. For example: TTL/((REFERENCE SIGNAL) NEAR1 device NEAR1 execution) is not allowed.
			5. Only up to three NEAR operators (non- consecutive) can be used in a query. For example: TTL/((REFERENCE SIGNAL) NEAR1 device) AND TTL/(device NEAR1 transmitting) AND TTL/(device NEAR1 receiving) is allowed due to a total of three NEAR operators used in three different syntaxes.
			 While using near operator in search query, quotation("") and asterisk(*) are not supported.
			Note: When using NEAR, do not use quotation marks (" ") in your query.

Dates			
Data Field	Syntax	Example	Notes
Appl. Date	APD	APD/[20081101 -> 20081130]	
Pub. Date	PD	PD/200311*	

Issue Date	ISD	ISD/[20081101 -> *]	
Pub. Date (Gazette)	PDG	PDG/[20170102- >20180102]	
Earliest Priority	EPRD	EPRD/2017*	
Earliest Appl.	EAPD	EAPD/2017*	This is used for calculation of the (est.) expiration date. This is also known as the Earliest Effective Filing Date of the application for purposes of a patent term.
Issue/Pub. Date	PID	PID/2017*	Publication or Issue Date
		l	Party
Data Field	Syntax	Example	Notes
Inventor	IN	IN/"CHEN Yun Lung"	This field can be used to search for both the original and the standardized name.
Inventor Inventor Address	IN INAD	IN/"CHEN Yun Lung" INAD/Shenzhen	This field can be used to search for both the original and the standardized name.
Inventor Inventor Address Inventor Country	IN INAD ICN	IN/"CHEN Yun Lung" INAD/Shenzhen ICN/(CN or US or TW)	This field can be used to search for both the original and the standardized name.
Inventor Inventor Address Inventor Country Assignee / Applicant	IN INAD ICN AN	IN/"CHEN Yun Lung" INAD/Shenzhen ICN/(CN or US or TW) AN/"Tesla Motors"	This field can be used to search for both the original and the standardized name. This field can be used to search for both the original and the standardized name.
Inventor Inventor Address Inventor Country Assignee / Applicant Curr. Assignee	IN INAD ICN AN CAN	IN/"CHEN Yun Lung" INAD/Shenzhen ICN/(CN or US or TW) AN/"Tesla Motors" CAN/"Tesla Motors"	This field can be used to search for both the original and the standardized name. This field can be used to search for both the original and the standardized name. This field can be used to search for the current assignee.
Inventor Inventor Address Inventor Country Assignee / Applicant Curr. Assignee Address	IN INAD ICN AN CAN ANAD	IN/"CHEN Yun Lung" INAD/Shenzhen ICN/(CN or US or TW) AN/"Tesla Motors" CAN/"Tesla Motors" ANAD/Taipei	This field can be used to search for both the original and the standardized name. This field can be used to search for both the original and the standardized name. This field can be used to search for the current assignee.

Examiner	EXP	EXP/John*	Only available for US and JP patents.
All Parties	PARTY	PARTY/Microsoft	Includes assignee, agent, inventor, etc.
		N	umber
Data Field	Syntax	Example	Notes
Appl. No.	APN	APN/"11/616909"	
Pat. No.	PN	PN/US774947* PN/CN102625944A	This field can be used to search for published patent applications and granted patents. The number includes Pub. No.and Issue No.
Patent Office	СС	CC/US	The Country Code is a two-letter code used to indicate the country or organization of the application. See the country code list.
Kind Code	KD	KD/B	
		Clas	sification
Data Field	Syntax	Example	Notes
IPC	ICL	ICL/G06F019/00	
Main IPC	MICL	MICL/G06F0019*	
Locarno	LOCS	LOCS/07-02	
Main Locarno	MLOC	MLOC/21-01	
USPC	CCL	CCL/370/329	
Main USPC	MCCL	MCCL/70/264	
CPC	CPC	CPC/H01L033/54	

Main CPC	MCPC	MCPC/H01L*		
FI	FCL	FCL/G06F9/00,320A	JPO "File Index" (FI) classification.	
	Classification (Heirarchy)			
Data Field	Syntax	Example	Notes	
IPC (Hierarchy)	ICLH	ICLH/(G01N33/487)	When hierarchy syntax is used, the search results will include the patents in a lower classification as well. For example, a syntax parameter of	
Main IPC (Hierarchy)	MICLH	MICLH/G06F019	ICLH/(G01N33/487) will also search for patents in the subgroup of ICLH/(G01N33/49) because G01N33/49 is under the subgroup of G01N33/487.	
USPC (Hierarchy)	CCLH	CCLH/370/329	More specifically, US20160136639A1 has an IPC of G01N33/49 as opposed to G01N33/487, and it should not be included as a result of ICL/(G01N33/487). However, the subgroup of	
Main USPC (Hierarchy)	MCCLH	MCCLH/70/264	US20160136639A1 will be included in the results of ICLH/(G01N33/487). Note: An asterisk "*" is not necessary when the	
CPC (Hierarchy)	СРСН	CPCH/H01L033/54	hierarchy syntax is defined.	
Main CPC (Hierarchy)	МСРСН	MCPCH/H01L		
FI (Hierarchy)	FCLH	FCLH/G06F9/00,320A		
	·	Assig	nment Data	
Data Field	Syntax	Example	Notes	
Reassignment	AOAI	AOAI/Y	Denote if Transfer/Licensing/Pledge happened, ignoring the transfer with the inventor as the assignor.	

# of RSGMT	ANT	ANT/3	Search for Not Less Than the number input. E.g. ANT/3 Search for patents with the number of Assignments not less than 3.
Assignor (RSGMT)	AAR	AAR/"APPLE, INC."	
Assignee (RSGMT)	AAN	AAN/"APPLE, INC."	
Transfer Date	TRD	TRD/2015*	The date of the assignment.
Agent (RSGMT)	CNA	CNA/"Fish & Richardson"	
Licensing	PLN	PLN/Y	
Licensor	LNO	LNO/"APPLE, INC."	
Licensee	LNE	LNE/"APPLE, INC."	
Licensing Date	LND	LND/2015*	
Pledge	PPG	PPG/N	
Pledgor	PGO	PGO/"APPLE, INC."	
Pledgee	PGE	PGE/APPLE	
Pledge Date	PGD	PGD/2015*	
Date of RSGMT	DUR	DUR/2017*	Transfer/Licensing/Pledge Date. Please refer to "WITH" syntax operator for more usages.
Change of Name	NC	NC/"Apple Inc" NCB/"GitHub" AND NCA/"Microsoft"	Looking assignee name change on which company's was before (from), please use NCB. For name change after (to), please use NCA.

Name Change Date	NCD	NCD/2018*	
		Pater	nt Ranking
Data Field	Syntax	Example	Notes
Patent Quality	QRANK	QRANK/3->*	 Our model for Quality takes into consideration (based on publication/issue information before it is published) : The qualifications and profile of the attorney. The qualifications and profile of the examiner. The number of the potential prior art. The structure of independent and dependent claims. Each ranking is based on a score calculated using our model: (5) AAA : Score is in the top 3% (4) AA : 3% - 10% (3) A : 10% - 25% (2) B : 25% - 50% (1) C : 50% - 75%
			E.g.: The value of 3 represents "A." Therefore, 3->* represents values above "A."

Patent Value	VRANK	VRANK/3->*	Our model for Value takes into consideration (based on publication/issue information before it is published): - The qualifications and profile of the inventor. - The qualifications and profile of the applicant. - The stage of technology lifecycle citation(s). - Citation(s). - Citation(s). - Pre-grant assignment and licensing. Each ranking is based on a score calculated using our model: (5) AAA : Score is in the top 3% (4) AA : 3% - 10% (3) A : 10% - 25% (2) B : 25% - 50% (1) C : 50% - 75% (0) D : Below 75% E. a : The value of 3 represents "A " Therefore 3->*
		Stat	Eg.: The value of 3 represents "A." Therefore, 3->* represents values above "A." t us Data
Data Field	Syntax	Example	Notes

Legal Status	LLS	LLS/3	Legal Status is selected from :
			(1) Pending: Patents application yet to be granted.
			(2) Examination.
			(3) Active - Granted.
			(4) Abandoned: Patents abandoned, withdrawn, or not paid for by applicant or assignee.
			(5) Expired: Patents expired because the patent term is due.
			(6) Revoked ab initio: Patents invalidated after grant.
			(7) PGPub - Granted: Application that has been issued.
			(8) Reissued.
			E.g.: The value of 3 represents "Active - Granted".
(Est.) Exp. Date	ESED	ESED/2025*	The estimated expiration date is based on the patent office, patent type, and application/issue date, and is only available for an active patent.
			If the estimated expiration date is before the system updating date (e.g. today), or if any abandon event occurs, the estimated expiration date will no longer be searchable and an inactive date of the patent can be found.
			If the patent type is "other", it will be presumed to be "Utility Patent". Otherwise certain parameter(s) (e.g. kind code) can help determine the date.
			We don't calculate the estimated exp. the date for SPC (Supplementary protection certificate).
Abandon Date	ABDD	ABDD/2015*	The date of Abandonment, Withdrawal, and Non- payment.

	ABDT		Abandon Type is selected from :
Abandon Type		ABDT/1	
			(1) Abandoned Appl.
			(2) Withdrawn
			(3) Lasped
			(4) No Active State
		/	Enter Country Code to search for EP and WO
Designated State (Coming Soon)	DS	DS/DE	patent designated states.
# of State (Coming Soon)	DSN	DSN/1	Search for not less than the number input. E.g. DSN/1 search for patents with the number of designated states not less than 1.
Active State (Coming Soon)	DSA	DSA/DE	Enter Country Code to search for EP and WO patent designated states (active state).
Inactive State (Coming Soon)	DSI	DSI/DE	Enter Country Code to search for EP and WO patent designated states (inactive state).
Pending State (Coming Soon)	DSP	DSP/DE	Enter Country Code to search for WO patent designated states (Pending).
National- Phase State (Coming Soon)	DST	DST/DE	Enter Country Code to search for WO patent designated states (National-Phase).
# of Active State (Coming Soon)	DSNA	DSNA/1	Search for not less than the numbet input. E.g. DSNA/1 search for patents with the number of active designated states not less than 1.
# of Inactive State (Coming Soon)	DSNI	DSNI/1	Search for not less than the number input. E.g. DSNI/1 search for patents with the number of inactive designated states not less than 1.
# of Pending State (Coming Soon)	DSNP	DSNP/1	Search for not less than the number input. E.g. DSNP/1 search for patents with the number of pending designated states not less than 1.

# of National- Phase State (Coming Soon)	DSNT	DSNT/1	Search for not less than the number input. E.g. DSNT/1 search for patents with the number of national-phase designated states not less than 1.
		c	Others
Data Field	Syntax	Example	Notes
Patent Type	TYPE	TYPE/(1 or 2)	 Utility Patent. Utility Model. Design. Plant. Other.

Search History

Patent Search automatically saves your most recent 100 search records within the Search History section.

		P	atent Pater	OUC nt Search				
	Qu	ick Search Advanced Search	Semantic Search	Number Search	Search	History		
Recei	nt Saved							
🕒 Exp	port 🔟 Delete	9						Q
Coc	le Type	Query		Details	Result	Time Created	Opera	ation
🗆 R10	Semantic Sear	ch LED light flashlight for dog co	ollar night walking	i	300	2020-03-13 16:33	28	
R9	9 Keyword Searc	PN/(US7777777 OR US7777 US7654321)	778 OR US8888888 OR	Ĩ	4	2020-03-13 16:33	28	
- R9	8 Number Searc	h DownLoad the Query List		i	4	2020-03-13 16:33	6	
□ R 9	7 Advanced Sea	rch See all Record		i	129	2020-03-13 16:32	28	
R90	6 Keyword Searc	TAC/("smoke detector")		i	10,099	2020-03-13 16:05	28	æ
	-	TAC//"amaka dataatar")		_	10.000	0000 02 12		_

You can also do the following on the Search History tab:

- Apply: Click on the Apply icon <a>[2] to add do the apply the query in the search type that it was previously used (i.e. R100 query will be opened in Semantic Search query page while R99 will be in Quick Search).
- Save: Click the Save icon **b** to store the search criteria. Access the saved records in the Saved tab under Search History.
- Monitor Query: Click on the Monitor Query icon 🗠 to monitor search result updates of the selected search query. This is only available for Keyword Search (done via Quick Search or Advanced Search). Note: This feature is only available to Patent Search subscribers who also purchased Patent Vault.
- Export: Select the search queries to export (to an Excel file), and then click the Export

icon 🕒 Export .

- **Code**: Click on the corresponding **code R100** (i.e.) to run that exact same search again and directly see the results page.
- **Details**: Click on the **Details** icon **(** to see the search settings that were used for that query.

Details	/
Patent Office:	US, CN, EP, WO, JP, KR, TW, IN, EM, Other(All)
Patent Type:	Utility Patent, Utility Model, Design, Plant, Others
Legal Status:	Publication,Issue
Stem:	Yes
Query:	TAC/("smoke detector")

Monitor Query

Query monitoring is available for Patent Search subscribers who also purchased Patent Vault. This feature allows you to automatically monitor and display the results of your monitor query on a predetermined schedule. To use Monitoring, follow the steps below:

- 1. On Patent Search, enter a query and click on Search.
- 2. On the search results page, click on the **Save** dropdown button and choose **Monitor Query** to set up a new monitor.

							Project
Keyword Search LED ligh	ht				Search \vee	Save ▼	
Advanced Filter		V		0 🖻		Save Query	cords
Patent Office	\sim					Monitor Query	
Patent Type	\checkmark						
Assignee/Applicant	\sim	□ 1	. LED LIGHTING COLUMN AND LE	LAMP USING SAME			
Assignee (Std)	\sim		Patent No.: IN2014DELNP0008229	Assignee:		Applicant:	
, toolghoo (ota)	-		Pub./Issue Date: 2015-05-15	◆ Original:		ZHEJIANG LEDISON OF	TOELEC
Curr. Assignee	\sim		Appl. No.: 8229/DELNP/2014	ZHEJIANG LEDISOF	N OPT	Inventor:	
Inventor	\sim		Appl. Date: 2014-10-01	 Standardize: 		GE Shichao	
Lenal Status 🙆	~					GE Xiaoqin	
Legarotatus	·					LIU Huabin	
Abandon Type	\sim		An ED lighting column (1) and an	ED Jown using some The	CD lighting	column (1) comprises a l	iah thorr
Quality 🔞	\sim		of ED chips (11) provided on the o	uter surface of the high th	ermal conduc	column (1) comprises a r	lamp con
Value 📀	\sim		bulb shell (3). The electric lead wire	nally conductive protecting es (13) of the LED lighting of	g gas an LEU column (1) ar	e connected with an exte	connecto rnal powe
			connector (b), [h 9				

3. If you have previously done a search query and want to monitor the same, you can access this in **Search History**.

	Quie	ck Search Advanced	Search	Semantic S	Patent Se	ber Search			
Recent	Saved								
🕒 Expo	rt <u> </u> Delete	e 📃 Combine Search	es						Q
Code	Туре	Query	Details	Result	Time Created	Patent Office	C)perati	ion
R14	Keyword Search	LED light	i	2,207,411	2019-09-27 16:48	US,CN,EP,WO,JP,TW,IN,EM,Other(All)	2	6	æ
R13	Keyword Search	car	i	1,703,849	2019-09-27 16:44	US,CN,EP,WO,JP,TW,IN,EM,Other(All)	2	6	æ
R12	Keyword Search	PN/(US7777777)	i	1	2019-09-27 15:28	US,CN,EP,WO,JP,TW,IN,EM,Other(All)	2	6	æ
🗆 R11	Semantic Search	led light dog collar for dog night walking	i	300	2019-09-27 15:27	US,CN,EP,WO,JP,KR	2	6	
R10	Keyword Search	MICLH/(G01N33/487)	i	16,005	2019-09-27 14:42	US,CN,EP,WO,JP,TW,IN,EM,Other(All)		В	æ

4. Once you click on Monitor Query, you can set a Title and save it into an existing folder in your Patent Vault project or create a new folder, and set the notification frequency.

Se	etting a New Mo	onitor ×
	Query :	MICLH/(G01N33/487)
	Patent Office :	US,CN,EP,WO,JP,TW,IN,EM,Other(All)
	Title* :	IPC Monitor
	Folder* :	
	Status :	● On ○ Off
	Frequency :	Weekly \checkmark Monday \checkmark
-	The latest result of qu setting, and added int	ery monitoring will be sent to you by email based on the frequency o the node if a node is selected.
		Cancel

5. There are two ways to view status updates of queries being monitored: first, click on your Account icon and select **Automatic Monitoring**.



Second way is to go to your project Overview and click on Monitoring Overview under Automatic Monitoring.

<.					Project_20190926_1 ▼	
Overview	🛱 Folder Management 🛛 🍳 Pate	ent Analysis 🔻 🔀 Data Grouping 🔻				
Project_2019092	6_1 🌶 🚣 📾					
	Analysis	Automatic Monitoring	Memo	Project History		
	Analysis Overview	Monitoring	E 4 Memos	10 Events		
Chart: 2						
No Titlee		Тупе	Folder/Dimensions	Count	lemo Creator	Date

6. In the Automatic Monitoring page, you will see your queries here. Once new results are available, the update status bar will change from gray to green. The number of new patents available will be included as well.

	Titles	Monitoring Type		Last Updated Date ↓₹	Frequency	Created By	Status	Operation
Q	Search Monitor Keyword Search	Query	65 🗅	2019-02-12	Monthly			<u> </u>
Q	Massive Monitor <u>Keyword Search</u>	Query	0	2019-02-01	Weekly			
Q	NEAR Monitor Keyword Search	Query	0	2019-02-12	Weekly			

If you add the patents from the search results of the monitoring query to Project, simply click on the folder icon (which is located right next to the update status bar) to access the folder containing the search results.

Monitoring 7	Гуре		
Query		65 🗅	
Query		0	

- 7. Automatic Monitoring feature gives you a more aesthetically pleasing and easy to navigate user interface. Further introductions are below:
 - Quick Search link

Click on the "Keyword Search" link located under the title to perform a brand new search with the same query. Alternatively, just hover the cursor over it to get a reminder of the search parameters.



• Status Toggle

You can start and stop monitoring with a single click: the newly-added status toggle means that you will no longer need to access the edit window



• Monitoring Results Chart

Never miss a new patent again: click on the Monitor Type bar to browse through the update history with the convenient chart and click on any dot to view the details relating to the corresponding date. Additionally, you can add to Project and/or export the data.

	7	60	Query Monitoring : PCDD Project / Google		
	Count: Patent	no na sentir a sentir	and and an and and and and and and and a	and a state	◆ Google
1	7	-¢			515 results
	#	Patent No.	Title	Pub./Issue Date Appl. Date Assignee	Assignee (Std)
	1	EM005813664-0001	Interfaces utilisateurs graphiques [affichage sur écran d'ordinateur].Interfaces utilisateurs graphiques [affichage sur écran d'ordinateur]	2018-11-15 2018-10-31	GOOGLE LLC
	2	EM005813664-0002	Affichage sur l'écran,Interfaces utilisateurs graphiques [affichage sur écran d'ordinateur]	2018-11-15 2018-10-31	GOOGLE LLC
	3	EM005813664-0003	Interfaces utilisateurs graphiques [affichage sur écran d'ordinateur].Interfaces utilisateurs graphiques [affichage sur écran d'ordinateur]	2018-11-15 2018-10-31	GOOGLE LLC
	4	EM005813664-0004	Interfaces utilisateurs graphiques [affichage sur écran d'ordinateur].Interfaces utilisateurs graphiques [affichage sur écran d'ordinateur]	2018-11-15 2018-10-31	GOOGLE LLC
	5	EM005814035-0001	Affichage sur l'écran, interfaces utilisateurs graphiques [affichage sur écran d'ordinateur]	2018-11-15 2018-10-31	GOOGLE LLC
	6	EM005814035-0002	Affichage sur l'écran,Interfaces utilisateurs graphiques [affichage sur écran d'ordinateur]	2018-11-15 2018-10-31	GOOGLE LLC
	7	EM005814035-0003	Affichages d'écrans d'ordinateurs,Interfaces utilisateurs graphiques [affichage sur écran d'ordinateur]	2018-11-15 2018-10-31	GOOGLE LLC
	8	EM005814035-0004	Affichage sur l'écran, Interfaces utilisateurs graphiques [affichage sur écran d'ordinateur]	2018-11-15 2018-10-31	GOOGLE LLC
	9	EM005814043-0001	Interfaces utilisateurs graphiques [affichage sur écran d'ordinateur].Interfaces utilisateurs graphiques [affichage sur écran d'ordinateur]	2018-11-15 2018-10-31	GOOGLE LLC

Advanced Filter

Patent Search users can further filter the search results by using the advanced filters on the left-side of the search results page. You can filter your results by PTO, patent type, assignee/applicant, assignee (Std), current assignee, inventor, legal status, abandon type (for abandoned legal status), quality, value, IPC, CPC, Locarno, USPC, FI, agency, primary examiner, and kind code. Each filter shows the first 10 items - click on **More+** to show the next 10.

Note: Make sure to click on the filter icon \Im to show Advanced Filter panel.

the second se						Ĩ	Project_201
Keyword Search 'quant	um computing"		Search	Save *			
Advanced Filter 🔶	8	′∠ □ ⋒ 🖻 🕒 «	2 🖻			13,10	2 records (4.5
Patent Office	A	A.)					
🗌 (9140) US - Unite	d States						
(2239) WO-WIP		1. METHODS OF ADIABATIC QUAN	TUM COMPUTATION				
□ (639) EP - EP0							
🗌 (386) JP - Japa	0	Patent No.: IN2008CHENP0003914	Assignee:	Applicant: In	iventor:		
🗌 (379) CN - Chin	a	Pub./Issue Date: 2009-03-13	Original: D-WAVE SYSTEMS, INC	D-WAVE SYSTEMS, INC A	MIN, MOHAMMAD, H		
🗌 (125) IN - India		Appl. No.: 3914/CHENP/2008	+ Standardiza:				
🗌 (55) CA - Cane	da	Appl. Date: 2008-07-25	- Grandardize.				
(45) AU - Austr	ralia	ABSTRACT A method for guartum to	computing using a quantum system	comprising a plurality of qubits is provided	The system can be in any one of at least	two configurations at any giver	time including
(25) GB - Unite	d King	Hamiltonian Ho and one characteriz	ed by a problem Hamiltonian Hp. T	he problem Hamiltonian Hp has a final state	. Each respective first qubit in the qubits i	s arranged with respect to a res	spective second
		predetermined coupling strength. Th	se predetermined coupling strength	is between the gubits in the plurality of gubit	s collectively define a computational prob	lem to be so R	
(23) TW - Taiw	an			1 A D S		2 T	
(23) TW - Taiw	an 🗌	2. A WATER SERVICE PROJECT SYS	STEM FOR CONVERTING SEAW	ATER INTO DRINKING WATER USING TH	E QUANTUM COMPUTERS WITH PIGI	MENTS	
C (23) TW - Taiw	lore+	2. A WATER SERVICE PROJECT SYS Patent No.: IN2010DEL0002543A	STEM FOR CONVERTING SEAW.	ATER INTO DRINKING WATER USING TH	E QUANTUM COMPUTERS WITH PIG	MENTS	
(23) TW - Tahu Patent Type	toro+	2. A WATER SERVICE PROJECT SYS Patent No.: IN2010DEL0002543A Pub./Issue Date: 2016-04-15	STEM FOR CONVERTING SEAW. Assignee: • Original:	ATER INTO DRINKING WATER USING TH Applicant: KUU WATER PURIFY PROJECTS PVT. LTD	E QUANTUM COMPUTERS WITH PIGE	MENTS	
(23) TW - Taiw Patent Type Assignee/Applicant	toro +	2. A WATER SERVICE PROJECT SYS Patent No.: IN2010DEL0002543A Pub./Issue Date: 2016-04-15 Appl. No.: 2543/DEL/2010	Assignee: • Original: KUU WATER PURIFY PRO	ATER INTO DRINKING WATER USING TH Applicant: KUU WATER PURIFY PROJECTS PVT. LTD	E QUANTUM COMPUTERS WITH PIGE Inventor: SATOSHI MORI	MENTS	
(23) TW - Taiw Patent Type Assignee/Applicant	ian	2. A WATER SERVICE PROJECT SYS Patent No.: IN2010DEL0002543A Pub./Issue Date: 2016-04-15 Appl. No: 2543/DEL/2010 Appl. Doi: 2010-10-25	STEM FOR CONVERTING SEAW. Assignee: • Original: KUU WATER PURIFY PRO • Standardize:	ATER INTO DRINKING WATER USING TH Applicant: KUU WATER PURIFY PROJECTS PVT. LTD	E QUANTUM COMPUTERS WITH PIGE Inventor: SATOSHI MORI	MENTS	
C (23) TW - Taiw Patent Type Assignee/Applicant Assignee (Std)	loro+	2. A WATER SERVICE PROJECT SYS Patent No.: <u>IN20100EL0002543A</u> Pub./Istue Date: 2016-04-15 Appl. No.: 2543/DEL/2010 Appl. Date: 2010-10-25	STEM FOR CONVERTING SEAW Assignee: • Original: KUU WATER PURIFY PRO • Standardize:	ATER INTO DRINKING WATER USING TH Applicant: KUU WATER PURIFY PROJECTS PVT. LTD	E QUANTUM COMPUTERS WITH PIGE Inventor: SATOSHI MORI	MENTS	
(23) TW - Taiw Patent Type Assignee/Applicant Assignee (Std) Curr. Assignee	an koro+	2. A WATER SERVICE PROJECT SYS Patent No.: <u>IN20100EL0002543A</u> Pub/Iseue Date: 2016-04-15 Appl. No.: 2543/DEL/2010 Appl. Date: 2010-10-25 In the whole world one third of land	STEM FOR CONVERTING SEAW Assignee: • Original: KUU WATER PURIFY PRO • Standardize: Is covered by water. Seawater form	ATER INTO DRINKING WATER USING TH Applicant: KUU WATER PURIFY PROJECTS PVT. LTD as a major portion. The Increasing need of w	E QUANTUM COMPUTERS WITH PIG Inventor: SATOSHI MORI atter prompted us to experiment with sease	VIENTS	afe drinking wa
(23) TW - Taiw (23) Patent Type Assignee/Applicant Assignee (Std) Curr. Assignee lowenter	an lare +	2. A WATER SERVICE PROJECT SYS Patent No: <u>IN20 IDEC 0002543A</u> Pub./Issue Date: 2016-04-15 Appl. No: 2843/0E/2010 Appl. Date: 2010-10-25 In the whole world one third of land convert, the seawate into human ur PALACE (Profile Autonomous Land, Autonomous Land, Autonomous Land	STEM FOR CONVERTING SEAW Assignee: Original KUU WATER PURIFY PRO • Standardize: Is covered by water. Seawater form able form. The "Water Service Proj rangtan Circulation Explore) and a	ATER INTO DRINKING WATER USING TH Applicant: KUU WATER PURIFY PROJECTS PVT. LTD is a major portion. The Increasing need of w ect ² system will not use any of the tradition.	E QUANTUM COMPUTERS WITH PIGI Inventor: SATOSHI MORI ater prompted us to experiment with seav I methods but it will be a combination of mounder with pigners as apparatum. The	VIENTS	afe drinking wa research going
(23) TW-Taiw Patent Type Assignee/Applicant Assignee (Std) Curr. Assignee Inventor Inventor	an kare +	2. A WATER SERVICE PROJECT SYS Patern No: <u>IN2010DE0.0022653A</u> Pub./Issue Date: 2016-04-15 Appl. No: 2543/DEL/2010 Appl. Date: 2010-10-25 In the whole world one third of land convert, the seawater into human up PALACE (Profiling Autonomous Lag	STEM FOR CONVERTING SEAW. Assignee: • Original: KUU WATER PURIFY PRO • Standardize: Is covered by water. Seawater form able form. The Water Service Pro- rangian Circulation Explorer) and a	ATER INTO DRINKING WATER USING TH Applicant: RUU WATER PURIPY PROJECTS PVT. LTD us a major portion. The Increasing need of w ect" system will not use any of the traditioni high tech radar system using the quantum of	E QUANTUM COMPUTERS WITH PIGE Inventor: SATOSHI MORI after prompted us to experiment with sear I methods but it will be a combination of omputer with pigment as apparatus. The	VIENTS vater to look for a solution for s the ongoing method along with unmanned float	afe drinking wa research going
(23) TW-Taiw Patent Type Assignee/Applicant Assignee (Std) Curr. Assignee Inventor Legal Status	an fore +	A WATER SERVICE PROJECT SYS Patent No : <u>1N2010E00025430</u> Pub/Itsue Date: 2016/04-15 Appl. No: 2543/DEL/2010 Appl. Date: 2010-10-25 In the whole world one third of land convert, the exactle into human PALACE (Profiling Autonomous Lag 3. SEMICONDUCTOR COMPUTING	STEM FOR CONVERTING SEAW. Assignee: • Original: KUU WATER PURIFY PRO • Standardize: is covered by water. Seawater form sale form. The "Water Service Prograngian Circulation Explorer) and a DEVICE FOR SIMULTANEOUSLY	ATER INTO DRINKING WATER USING TH Applicant: RUU WATER PURIFY PROJECTS PVT. LTD is a major portion. The Increasing need of w ect ² system will not use any of the tradition, high tech rader system using the quantum of EXECUTING ARTHMETIC OPERATION:	E QUANTUM COMPUTERS WITH PIGE Inventor: SATOSHI MORI ater prompted us to experiment with sease I methods but it will be a combination of omputer with pigment as apparatus. The 35	MENTS water to look for a solution for s he ongoing method along with unmanned float.	afe drinking wa research going
(23) TW-Taiw Tw-Taiw Patent Type. Assignee (Applicant Assignee (Std) Curr. Assignee Inventor Legal Status Abandon Type	an brock	A WATER SERVICE PROJECT SYS Patent No.: <u>IN/20100E.0092543A</u> Pub/Tsssu Date: 2010-04-15 Appl. No.: 2543/DEL/2010 Appl. Date: 2010-10-25 In the whole wold one that of land convert, the sense which nummar us PALACE (Profiling Autonomous Lag) S. SEMICONDUCTOR COMPUTING I Patent No.: <u>IN/2188008</u>	STEM FOR CONVERTING SEAW. Assignee: Original: KUU WATER PURIFY PRO • Standardize: Is covered by water. Seawater form table form. The 'Water Service Pro; maplan Circulator Exploring and a DEVICE FOR SIMULTANEOUSLY Assignee:	ATER INTO DRINKING WATER USING TH Applicant: KUU WATER PURIFY PROJECTS PVT. LTD as a major portion. The Increasing need of w ect ² system will not use any of the tradition. Ngh tech radar system using the quantum of EXECUTING ARITHMETIC OPERATIONS Applicant:	E QUANTUM COMPUTERS WITH PIGE Inventor: SATOSHI MORI ater prompted us to experiment with sear Imethods but it will be a combination of omputer with pigment as apparatus. The Inventor:	MENTS vater to look for a solution for s he ongoing method along with unmanned float.	afe drinking wa research going
(23) TW-Taiw Patent Type Assignee(Applicant Assignee (Std) Curr. Assignee Inventor Legal Status Abandon Type	an loro + 	A WATER SERVICE PROJECT SYS Patern No: 11/20100E0.0022543A Pub/Issue Date: 2016-04-15 Appl. No: 2543/DEL/2010 Appl. Date: 2010-10-25 In the whole words are that of land convert, the servater into human us PALACE (Profiling Autonomous Lag SEMICONDUCTOR COMPUTING Patern No: 11/2180008 Patern No: 11/2180008 Pater 2006 93 11	STEM FOR CONVERTING SEAW. Assignme: • Original: KUU WATER PURIFY PRO • Standardize: is covered by water. Seawater form able form. The "Water Service Proj anglan Circulation Explore) and a DEVICE FOR SIMULTANEOUSLY Assignme: • Original:	ATER INTO DRINKING WATER USING TH Applicant: IUU WATER PURIPY PROJECTS PVT. LTD us a major portion. The Increasing need of w red" system will not use any of the tradition high tech radar system using the guaranter EXECUTING ARTHMETIC OPERATION: Applicant: JAPAN SCIENCE AND TECHNOLOGY AGI	E QUANTUM COMPUTERS WITH PIGE Inventor: SATOSHI MORI ater prompted us to experiment with sear I methods but it will be a combination of computer with pigment as apparatus. The Inventor: Inventor: NCY MINORU FUJISHIMA	MENTS vater to look for a solution for a the ongoing method along with annanned float.	afe drinking wa research going
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(23) TW-Take Patent Type Assignee/Applicant Assignee(Std) Curr. Assignee Inventor Legal Status Abandon Type Quality Value	an intervention in	A WATER SERVICE PROJECT 5Y2 Patent No : 1N/2010/EL0027542 Patent No : 1N/2010/EL0027542 Appl. No : 2543//EL/2010 Appl. No : 1N/2180008 Patent No : 1N/218008 Patent No : 1N	STEM FOR CONVERTING SEAW. Assignee: • Original: KUU WATER PURIFY PRO • Standardize: Is covered by water. Seawater form able form. The "Water Service Pro- rangian Circulation Explorer) and a DEVICE FOR SIMULTANEOUSLY Assignee: • Original: JAPAN SOCIENCE AND TE • Standardize:	ATER INTO DRINKING WATER USING TH Applicant: KUU WATER PURIFY PROJECTS PVT. LTD UW WATER PURIFY PROJECTS PVT. LTD us a major portion. The Increasing need of w ext system will not use any of the tradition. high tech rader system using the quantum of EXECUTING ARTHMETIC OPERATIONS: Applicant: JAPAN SCIENCE AND TECHNOLOGY AGE	E QUANTUM COMPUTERS WITH PIGE Inventor: SATOSHI MORI ater prompted us to experiment with seave Imethods but it will be a combination of omputer with pigment as apparatus. The Inventor: Inventor: MINORU FULISHIMA SHINICHI O'UCHI KOICHINO HOH	MENTS water to look for a solution for s he ongoing method along with unmanned float.	afe drinking wa research going

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(23)	TW - Taiwan		本发明公开了一种对象	象処理方法及装置・存储介质及电子装置	【• 其中• 所述对象处理方法	包括:接收用户针对当前界面中目标子对象的第一	·处理请求;响应于所述第·	一处理请求,判断所述目标子对象的目标属性值是否
(23)	TW - Talwan More +		本发明公开了一种对着 一预定字符,则判断所 符,并基于所述预定如	象处理方法及被置。存储介质及电子装置 所述目标子对象的上一个子对象的目标具 处理条件更新所述描定属性值。应用本发	【,其中,所述对象处理方法 【性值是否为第二预定字符, 3时实施例提供的技术方案,	包括:接收用户针对当前界面中目标子对象的第一 并根据所适用户的指定属住值,判断所适目标子对 可以提高用户在线学习兴趣,从而增强学习效果,	处理请求; 响应于所道第- 象是否满足预定处理条件 句	—处理请求,判断所述目标子对象的目标属性偏是否 ;如果判断结果均为是,将所述目标子对象的目标属 ;
(23)	TW - Taiwan More + Type	□2	本波明公开了一种对象 一预定字符,则判断所 符,并基于所述预定如 一种重直异质结材料	象处理方法及按置。存储介质及电子装置 所适面积子对象的上一个子对象的目标算 处理条件更新所述描定属性值。应用本3 及化学气相沉积装置	【• 其中。所述对象处理方法 性值是否为第二预定字符。 :明实施例提供的技术方案。	包括:接收用户针对当前界面中目标子对象的第一 并相關所述用户的論定属性值,判断所述目标子对 可以遵简用户在线学习兴趣,从而增强学习效果,	处理请求;响应于所想第 (象是否满足预定处理条件 (*	—处理请求,判断所结目标子对象的目标属性偏是否 ,如果判断结果均为是,将所结目标子对象的目标属
(23) □ (23) Patent [*] ☑ (13070) □ (23)	TW - Taiwan More + Type Utility Patent Utility Acodel	□2	本波明公开了一种对象 一预定字符,则判断方 符,并基于所述预定数 一种重直异质结材料 R 14/2 12/31, 6/4 (象处理方法及接置。存储介质及电子装置 所适面积子对象的上一个子对象的目标算 处理条件更新所述指定属性值。应用本3 及化学气相沉积装置 Patent No.: <u>CN110047912A</u>	【,算中,所短对象处理方法 I性值是高为第二预定字符。 明实施例提供的技术方案。 Assignee:	始后:接吸用产针对当前界面中目标子对象的第一 并根据所达用户的推定属性值。判断所经目标子对 可以提高用户在战学习兴趣。从而增强学习效素。 Applicant	处理请求;响应于所短筹 拿是否满足预定处理条件 (* Inventor:	处理请求,到断所巡日标子对象的目标属性信息否 ; 如果判断结果均为是,每所巡目标子对象的目标属
 (23) (23) Patent (13070) (23) (5) 	TW - Talwan More + Type Utility Patent Utility Model Others	□2.	本波明公开了一种对象 一致定字符,则判断所 符,并基于所述预定和 一种重直异质结材料 2017年 42(4)		T,算中,所适对象处理方法 在值是适为第二预定学行。 明实施例提供的技术方案, Assignee:	2016:接心用产针为当前界面中目标子对象的第一 中枢服务范围产的为强定属性量,判断所经目标子对 可以推荐用产在线学习状態,从而推荐学习效果。 Applicant: 合肥本源量子计算料批表预算在公司	处理请求;响应于所起幕 像是否满足预定处理条件 す Inventor: 孔伟成	——处理境求,则新所把目标子对象的目标属性信誉吗 ,如果则胡结果均为是,每所过目标子对象的目标属
 (23) (23) Patent[*] (13070) (23) (5) (4) 	Utility Patent Utility Model Others Design	2	本波明公开了一种对结 一预定学符、则判断所 行,并基于所述预定处 一种重直异质结材构 R 型结和 424 4		I,算中,所通对象处理方法 住信是当为第二预定学行。 明实施例提供的技术方案, Assignee: Original: Standardize: ORIGIN MARTINE	8年:接心用产针为当前界面中目标子対象的第一 中間原料近用产的建立属性量,判断所近目的子対 可以提為用产在线学习状態,从而增強学习效量, Applicant: 会配本源量子计算科技有限责任公司	处理请求;响应于所起等 象是否满足预定处理条件 す Invento: 孔伟成 起算杰	一处理律求,判断所把目标子对象的目标属性 當高 的复数 化二乙烯 化二乙烯 化二乙烯 化二乙烯 化二乙烯 化二乙烯 化二乙烯 化二乙烯
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 (23) Patent[™] (13070) (23) (5) (4) (1) Assigned 	Utility Patent Utility Patent Utility Model Others Reissue Design	2	本发明公开了一种对约	Q2億力法及装置、今体介預元电子装装 附目目分力数量か上一个子力数量が目相当 込温無件更新所活販支責任 @ の用ネス 及化学气相況現装置 Patent No.: <u>CM110047912A</u> Pub.fissue Date: 20190723 Appl. No.: 201910438941.6 Appl. Date: 20190524	・ 英中 ・ 所 结 対象 ショック 第 ・ 大 の 第 ・ 、 の に 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、	8版:接心用产针为当前界面中目标子対象的第一 中間展然互用产的建立属性量,判断所起目标子对 可以還沒用产在低学习兴趣,从而增强学习效量, Applicant: 合配本源量子计算科技有限责任公司	신理请求; 靖应于所證書 象量否满足預定处理条件 한 Inventor: 孔伟成 起貫杰	一处理律求,判断所把目标子对象的目标属性 當高 如果判断諸果构为是,有所述目标子为象的目标属
 (23) (23) (23) (13070) (23) (5) (4) (1) Assigned Assigned 	tus - Uniter Ang TW - Taiwan Type Autor Uniter Model Others Relissue Design ee(Applicant Conter ee(Std) Conter		本波明公开了一种对量, 一预定等非,则制质频 带,并至于所述预定及 一种重直算质能材料 即 型型面积。 一种重直算质能材料 即 型型面积。 一种重直算质能材料 中 型型面积。 一种重直算质能材料 中 工具型面积。 一种重直算质能材料	2022年7年2月2日 初日日子7月2日 2021年7日 第4年夏新州に加売業日生 の用よ 2010 2019	 、其中。所述対象処理方法 住住還是の5年二列之中符。 明束施得提供的技术方案。 Assignee. Original: Standardze: ORIGIN QUANTUREC 	89話:接心用产针为当前界面中目标子对象的第一 #4個服務近期产的推進實性量,判断所近目時子功 可以使電用产在线学习状態,从而傳媒学习效果。 Applicant: 会簡本評量子计算料技夠現實在公司 FF00 繁重再高延转料为由石圖操供時料和过度金属 材料。本実現證慣份に学可《瓜石积覆電解完成的	ペース (株式) (株式) (株式) (株式) (株式) (株式) (株式) (株式)	一処理測定,利断所巡日時子対象的目标運往當高百 、如果則能結果均为是,有所送目時子対象的目前運 の用能構成的計算具件质益;其中,所送百億損失材料 4000的多用準規指定长,为當子比測金属二就錄成
 (23) (23) (23) (13070) (23) (5) (4) (1) Assigning Curr. A: 	TW-Tailwan TW-Tailwan Type ^ Unliny Patent Unliny Model Others Reissue Design ee(Applicant ~ ee(Std) ~ signee ~		本波明公开了一种发展不可能的。 一般定学所,则则顺频发 带,并差于所述现定文 一种重直的质能材料 。 """""""""""""""""""""""""""""""""""""	2012年7日第7日第二日 初日日77日第二日・イテア加参加日日 約2月4日第一所任務定業社会・原用ネス 2月4日7日 2月4日 日本3010047312A Pub/Issue Date: 201907423 Appl. No: 20190438941 6 Appl. Date: 20190524 日本3010047212A 日本301004723 Appl. No: 20190438941 6 Appl. Date: 20190524 日本30104723 日本30104723 Appl. Filler 日本30104723 Appl. Filler 日本3010473 Filler 日本3010473 Filler 日本3010474 Filler 日本3010475 Filler	 ・其中・所述対象処理方法 住住温泉高方第二預定字符。 明束能供證供的技术方案。 Assignee: Original Standardze: ORIGIN BLANTUMCC INAC化学气相识积装置。2 全室二硝酸化物材料的基礎 	8話:接心用产针对当前界面中目标子对象的第一 #信服所以用产的建立篇性道,判断所适目标子对 可以還須用产在线学习状態,从而傳媒学习效果, Appleant: 会記本源量子计算科技有現實在公司 ####################################	火環境家: 地区子所送募集集選派記別定処理条件 金星高県記別定処理条件 で Inventor ス.準成 起募素 二就版化物材料起成的室: 自住道を第二就版化物(7)	- 处理演变,到新所把目标子对象的目标属性量高高。如果则被描集均为是,有所过目标子对象的目标属

Assignment Data Query (Patent Transaction)

With Patent Search (PS) Advanced or Premium, it is possible to view the transaction history of each patent and to conduct an analysis on each patent based on its transaction history.

To use the assignment-related functions, follow the steps below:

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Quick Search Advanced Search Semantic Search Number Search Search History Please enter keywords or use syntax. Please enter keywords or use syntax. Please enter keywords or use syntax. Please enter keywords or use syntax. Please enter keywords or use syntax. Please enter keywords or use syntax. Please enter keywords or use syntax. Please enter keywords or use syntax. Please enter keywords or use syntax. Please enter keywords or use syntax. Please enter keywords or use syntax. Please enter keywords or use syntax. Please enter keywords or use syntax. Please enter keywords or use syntax. Please enter keywords or use syntax. Please enter keywords or use syntax. Please enter keywords or use syntax. Please Please Please Please Please Please Please Please, use quotation marks (e.g. "CALLIDA G Eg ender endere ender endere endere endere endere endere endere en	Patent Cloud Patent Search													
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+ Add Field

Corporate Affiliation Search is available whenever applicable 2. On Advanced Search, select an Assignment data parameter and fill in the search box as required. Users can also use syntax codes, see the complete list <u>here</u>.

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Click on Count to view the number of matching results and click on the resulting number to go to to search results page. Click on Apply to save for later and combine with other queries.

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Stemming

When stemming is enabled, the Patent Search results will include words that have the same root as your search term. This helps to expand your search. For example, with a search term of "looking", you will get a stemming result set that includes "look", "looking", or "looked", because they share the same root—"look". Stemming cannot be applied to any search term with a wildcard ("*" or "?").

1. In Quick or Advanced Search, click Settings.

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2. The setting box will pop out like this picture. Select **Stemming** to enable it.

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Stop Words

Some words such as: "a," "the," "of" are considered "stop words." These words appear so frequently that they have lost their usefulness as search terms. As a result, these stop words are not searchable terms in Patentcloud.

Result & Page View

Search Results

In this article, learn how to:

Edit Query

Sort Results

Select/Deselect Results

Use Search Results Tools

Use Different View Modes

Edit Query

On the search results page, you can adjust the search string in the search box at the top of the page, and click on **Search** to run another query.

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Sort Results

Search results are sorted by Relevance by default. To change, click on the dropdown button, and select to sort by Application Date, Publication/Issue Date, Publication Date (Gazette), Earliest Priority, Inactive Date, Quality and Value.

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To change the Sort order (for items other than Relevance), a descending icon $\downarrow \exists$ will display by default beside the Sort By box. Click on this icon to change to ascending order.

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Inventor	\sim		Pub./Issue Date: 2020-08-06						
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Select/Deselect Results

To select multiple results on a single page, simply tick the checkboxes beside the result number (regardless of the <u>viewing mode</u> used). The system will automatically display how many patents have been selected thus far.

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To adjust the number of results you can view on a single page, refer to the steps in this article.

To select all the results on a single page, tick the checkbox for "All". It will then give you an option to select all the results for that query (all results pages) at once.



To select results from multiple pages, tick the checkbox for "All" on that specific page. Then, move to the next page with the results you wish to select, and tick the checkbox for "All" again. The system will automatically display how many patents have been selected thus far.

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Search Results Tools

Patent Search users can use the <u>Advanced Filter</u> on the left panel, as well as search results tools on the upper section of the page.

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*	Collapse - to collapse results by Family or by Application No.
+	Expand - to expand results to show all of its Simply Family members
Þ	Export ¹ - to export patent list or PDF documents
\bigotimes	Tag - to apply self-defined tags to selected patents. All tagged patents will be saved in a separate Tag folder in your project. (only for Patent Search subscribers with Patent Vault)
	Add to Project - to add selected patents into folders in your project (only for Patent Search subscribers with Patent Vault)
۲	Forward to - to forward the selected patents to <u>Due Diligence</u> (for patent portfolio evaluation) and <u>Quality Insights</u> (for patent validity analysis)

Keywords in your search are automatically highlighted on the search results page. To know more about Highlighter, please refer to this <u>article</u>.

For Patent Search subscribers with Patent Vault, you can Tag patents right on the search results page. Select the patents you want to tag and click on the **Tag** icon \bigotimes from the toolbar. You can choose from the default labels: Risk and Relevance, and select the type or ranking, say, either High, Medium, or Low. You can view the tagged patent/s in your Tagged folder on Patent Vault.



By clicking on the **Edit** button, you can customize your labels by editing the label dialog box. You can create a new label, give it a subject (used for comparison, which may include products, technology, patents, etc.), a label name, and a range.

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Use Different View Modes

Patent Search offers 3 different view methods: Gallery, Summary, and List. Click on the icons to quickly switch viewing modes.

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• Gallery Mode =: View all of the patent figures right on the search results page

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You can click on a patent figure to view available tools such as Zoom In, Zoom Out and Rotate.



• Summary Mode IE: View the representative figure and bibliographical details

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• List Mode 🗮: View patents in a list format

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Inventor	\sim			4	۲	US20020093430A1	Smoke detector system for a house	Risk Rel	PGPub - Granted	2002-01-03	10/037975	2002-07-18	Goodwin, Jason		GOODW	IN JASON
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To select which columns are displayed, please refer to this section.

Split View Sis available in List Mode and Gallery Mode. With this view, users can see the patent list on the center panel and the patent document on the right panel.

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Patent Type		\sim			1	ø	US20190081814A1	System and Method for Effecting Smo	Risk Rel	Exam.	2018-09-13	16/130923	2019-03-14	Michael Orr		4MORR ENTERPR
Assignee/Applic	ant	\sim			2	۲	US5093651A	Intelligent smoke detector	Risk Rel	Lapsed	1990-10-11	07/595860	1992-03-03	Thomas; Edward M.		THOMAS EDWARI
Assignee (Std)		~			3	•	LIS20180308346&1	Smoke Detector Methods And Systems	Riak Ral	Evam	2018-04-18	15/055060	2018-10-25	Martin Allemann	43	SIEMENS SCHWE
Curr. Assignee	0	\sim					00101000004041	Giffore Detector metrioda Pera Oyaterna	nisk nel		2010-04-10	10/00000	2010-10-20	THE OFF PROTECTION	40	GILMENO GOTTE
Inventor		\sim			4	۲	US20020093430A1	Smoke detector system for a house	Risk Rel	PGPub - Granted	2002-01-03	10/037975	2002-07-18	Goodwin, Jason		GOODWIN JASON
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	昪	#		Patent No.	And	US20190081814A1 Exam.	
		1	۲	US20190081814A1	System and Method	Quality: AAA Value : B 🖉 Risk Rel	
		2	۲	<u>US5093651A</u>	Intelligent smoke det	System and Method for Effecting Smoke Detector Data Transmission from a S	moke Detector
		3	۲	<u>US20180308346A1</u>	Smoke Detector Met	Full Text Simple Family Extended Family Citations History	Original Document
		4	۲	<u>US20020093430A1</u>	Smoke detector syst	A system and method for effecting smoke detector data transmission from a smoke	
		5	۲	<u>US6778082B2</u>	Smoke detector syst	detector is described herein. The smoke detector can comprise a smoke detection system, a smoke detector memory, and a microprocessor. The smoke detector memory can comprise a smoke detector application. The microprocessor can, according to instructions	R 1
		6	۲	<u>US5673027A</u>	Smoke detector, adji	from the smoke detector application operate as a node in a mesh network of a local area network by receiving network data and sending the network data across the local area	
		7	۲	<u>US4954816A</u>	Decorative smoke de	network. Moreover, according to the instructions from the smoke detector application, the microprocessor can receive smoke alarm data from the smoke detection system, interrupt sending the network data across the incellarea network; and resume sending the network	₽-Ū
		8	۲	<u>US7969321B2</u>	Smoke detector	data to the other nodes in the mesh network only after the smoke alarm data is completely sent.	3 2 4
		9	۲	<u>US4475390A</u>	Smoke detector	্ধ	
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·	Patent No.	v	1	1			⁷⁷ FIG. 38	⁷⁷ FIG. 3C			
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Keyword Search TAC/("smoke detector") 7 🖉 🗆 🖬 🔂 🗗 🕀 🔿 🖻 Keywords (7) Successfully Saved Set 1 (7/40) All \cap Clear All 1. System and Method for Effecting Smoke Detector Data Transmission from a Smoke Detector detect((174) 🔿 🗸 🛅 o 📒 Exam. Ī Patent No.: US20190081814A1 Applicant: 0 alarm (10) ^ R Assignee: Pub./Issue Date: 2019-03-14 Original: 4Morr Enterprises IP, LLC \square Θ sound (2) Appl. No.: 16/130923 Standardized: 4MORR ENTERPRISES I... Appl. Date: 2018-09-13 Ī smoke (188) Θ CA CIP IPR Risk \square 0 switch (3) A system and method for effecting smoke detector data transmission from a smoke detector is described herein. The smoke detector ctor memory can comprise a smoke detector application. The microprocessor can, according to instructions from the smoke dete network (5) $\overline{\square}$ Θ sending the net ork data across the local area network. Moreover, according to the instructions from the smoke detector application Ī 💿 📒 timing (1) ^ 2. Intelligent smoke det Lapsed + Add new keyword Patent No.: US5093651A Assignee: Inventor: R

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Set 10	(0/40) 🗡		sending the networ	k data acro	oss the lo	cal area	a <mark>network</mark> . More	eover, accordin	g to the instructions	from the smoke
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smoke detector (4/40) Clear All Image: Clear All	US20190081814A1 Exam Quality: AAA Value : AA CIP IPR Risk System and Method for Effecting Smoke Detector Data Transmission from a Smoke Detector Full Text Simple Family Extended Family Citations History Original Documen Abstract A system and method for effecting smoke Detector data transmission from a smoke Detector Full Text Simple Family Extended Family Citations History Original Documen Abstract A system and method for effecting smoke Detector data transmission from a smoke Detector is described herein. The smoke detector can comprise a simoke detector system, a smoke Detector is described herein. The smoke detector can comprise a simoke detector system, a smoke Detector is described herein. The smoke detector system, detector operate as a node in a mesh network of a local area network by receiving network data and sending the network data across the local area network, and resume sending the network data to the modes in the mesh network on vater the smoke dame data from the smoke detection system, interrupt sending the network data cross the local area network, and resume sending the network data to the modes in the mesh network on vater the smoke dame data from the smoke detection system, interrupt sending the network data cross the local area network, and resume sending the network data to the me nodes in the mesh network on vater the smoke dame data from the smoke detection system, interrupt sending the network data the rob local area network, and resume sending the network data to rob the nodes in the mesh network on vater the smoke dame data from the smoke detection system, interrupt sending the network data the rob mesh network on the resume sending the network data to rob the network data to rob the simulation the result the smoke dame data from the smoke detection system, interrupt sending the network data the rob mesh network on data to rob network and the result on the simulation the result on the simulation the result on the simoke data to rob the robe in the network data th	USS093651 Level Cuality: C Value: B C CA CIP PR Risk Intelligent smoke datactor Full Toxt Simple Family Extended Family Citations History Origin Abstract A smoke datactor has an alarm which may be turned off for a short interval to prevent its sound an turn smoke datactor has an alarm which may be turned off for a short interval to prevent its sound an turn smoke datactor has an alarm which may be turned off for a short interval to prevent its sound an turn smoke datactor has an alarm which may be turned off for a short interval to prevent its sound an turn smoke datactor has an alarm sounds after the smoke datactor is automatically reconnected to the switch may be reactuated. A Bibliography					
	✓ Bibliography Earliest Priority: 2017-09-13 Earliest Appl.: 2018-09-13 Legal Status: Under Substantive Examination Curr. Assignee : 4MORR ENTERPRISES IP LLC 2019-09-23 Assignee (Std): 4MORR ENTERPRISES IP LLC [+Orig. Assignee] Patent Family: 6 Members(Family ID : 65631652) US(6) US(6) Patent Type : Utility Patent ✓ Show All ✓ Claims To To	Earliest Priority : 1990-10-11 Earliest Appl. : 1990-10-11 Legal Status : 1996-03-03 Abandoned by assignee due to nonpayment. Curr. Assignee : THOMAS EDWARD M 2019-09-23 Assignee (Std) : THOMAS EDWARD M Patent Family : 1 Members(Family ID : 24384982) US(1) Patent Type : Utility Patent ▼ Show All					
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∧ Abstract	∧ Figure (14)		
Techniques and a system for quantum computing device modeling and design are provided. In one example, a system includes a modeling component and a simulation component. The modeling component models a quantum device element of a quantum computing device as an electromagnetic circuit element to generate electromagnetic circuit data for the quantum computing device. The simulation component simulates the quantum computing device using the electromagnetic circuit data to generate response function data indicative of a response function for the quantum computing device. Additionally or alternatively, a Hamiltonian is constructed based on the response function.			
Bibliography Earliest Priority: 2018-01-30 For the start of th			(二)

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Simple Family

Following EPO's definition, a simple family covers a single invention and members have exactly the same priorities.

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	#	Patent No.	Title	Legal Status	Appl. Date	Appl. No.	Earliest Priority		
	1	EP1494653A1	SUSTAINED RELEASE PHARMACEUTICAL PRE	Abandoned Appl.	2003-04-11	03714395.5	2002-04-12	<u>29214431</u>	
	2	US7125563B2	Sustained release pharmaceutical preparations a	Lapsed	2002-04-12	10/120501	2002-04-12	<u>29214431</u>	
	3	CA2481667A1	SUSTAINED RELEASE PHARMACEUTICAL PRE	Abandoned Appl.	2003-04-11	20032481667	2002-04-12	<u>29214431</u>	
	4	PL373328A1	SUSTAINED RELEASE PHARMACEUTICAL PRE	Pending	2003-04-11	20030373328	2002-04-12	<u>29214431</u>	
	5	RU2004133532A	ФАРМАЦЕВТИЧЕСКИЕ ПРЕПАРАТЫ С ЗАМЕ	Abandoned Appl.	2003-04-11	20040133532	2002-04-12	<u>29214431</u>	
	6	AU2003218397A1	SUSTAINED RELEASE PHARMACEUTICAL PRE	Abandoned Appl.	2003-04-11	20030218397	2002-04-12	<u>29214431</u>	
	7	HRP20040945A2	SUSTAINED RELEASE PHARMACEUTICAL PRE		2004-10-11	2004P000945	2002-04-12	<u>29214431</u>	
	8	US20030198670A1	Sustained release pharmaceutical preparations a	PGPub - Granted	2002-04-12	10/120501	2002-04-12	<u>29214431</u>	
	9	US20060105037A1	Sustained release pharmaceutical preparations a	Abandoned Appl.	2006-01-17	11/332158	2002-04-12	<u>29214431</u>	
	10	US20080107730A1	SUSTAINED RELEASE PHARMACEUTICAL PRE	Abandoned Appl.	2008-01-09	11/971741	2002-04-12	<u>29214431</u>	
	11	WO2003/086364A1	SUSTAINED RELEASE PHARMACEUTICAL PRE	Pending	2003-04-11	PCT/US2003/009210	2002-04-12	<u>29214431</u>	
	12	CN1655765A	Sustained release pharmaceutical preparations a	Abandoned Appl.	2003-04-11	03811501.8	2002-04-12	<u>29214431</u>	
	13	JP2005-532289A	持続放出性医薬製剤及びその製造方法	Abandoned Appl.	2003-04-11	P2003-583385	2002-04-12	<u>29214431</u>	
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03		Lapsed				Aba	ndoned Appl.	Abandoned Appl.

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	2003 W02003/086364A1 2003-04-11 Pending	2004	2006	2008
		HRP20040945A2 2004-10-11	HRP20040945A2 SUSTAINED RELEASE METHODS FOR PROD	2 PHARMACEUTICAL PREPARATIONS AND * JUCING THE SAME
-	EP1494653A1 2003-04-11 Abandoned Appl.		Appl. No. : Appl. Date : Earliest Priority : Curr. Assignee :	2004P000945 2004-10-11 2002-04-12
	CN1655765A 2003-04-11 Abandoned Appl.		Orig. Assignee : Inventor :	plivapharmchemworks KUMBHANI DAVEJIBHAI(US) , PANDYA HARISH <u>B(US) ,</u> Show All
	PL373328A1 2003-04-11 Pending		R	

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	#	Patent No.	Title	Legal Status	Appl. Date	Appl. No.	Earliest Priority		
	1	US20030198670A1	Sustained release pharmaceutical preparations a	PGPub - Granted	2002-04-12	10/120501	2002-04-12	<u>29214431</u>	
	2	US7125563B2	Sustained release pharmaceutical preparations a	Lapsed	2002-04-12	10/120501	2002-04-12	<u>29214431</u>	
	3	AU2003218397A1	SUSTAINED RELEASE PHARMACEUTICAL PRE	Abandoned Appl.	2003-04-11	20030218397	2002-04-12	29214431	

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US	US5379379A Expired							
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Mer	Memory control unit with selective execution of queued read and write requests							
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	#	Patent No.	Title	Appl. Date	Appl. No.	Assignee (Std)	Earliest Priority	
	1	<u>US5488712A</u>	Memory circuit with pipeline processing	1991-12-27	07/816396	NEC CORP	1990-12-28	18525613
	2	US5664138A	Apparatus for handling out-of-order ex	1992-04-03	07/863180	TOSHIBA KK	1991-04-05	26414501
	3	US5651126A	Method and apparatus for reducing tra	1992-06-26	07/904735	APPLE INC	1992-06-26	25419678
	4	<u>US5548777A</u>	Interface control system for a CD-ROM	1993-12-28	08/174025	SAMSUNG ELECTRONICS	1992-12-31	19348750
	5	US5634081A	System for starting and completing a d	1994-03-01	08/205002	ADAPTEC INC	1994-03-01	22760379
	6	US5590379A	Method and apparatus for cache mem	1994-03-14	08/212129	UNISYS CORP	1990-05-04	24066002
	7	US5566317A	Method and apparatus for computer di	1994-06-14	08/259531	IBM CORP	1994-06-14	22985331
	8	US5742831A	Methods and apparatus for maintainin	1994-06-30	08/268338	INTEL CORP	1994-06-30	23022524
	9	US5634073A	System having a plurality of posting qu	1994-10-14	08/324246	COMPAQ COMPUTER CO	1994-10-14	23262744
	10	US6021471A	Multiple level cache control system wit	1994-11-15	08/340176	ADVANCED MICRO DEVIC	1994-11-15	23332213
	11	WO1995/022110A1	WRITE-READ DATA OPERATION FOR	1995-02-08	PCT/US1995/001547	MERIDIAN SEMICONDUC	1994-02-08	22712773
	12	US5615355A	Method and apparatus for buffering a u	1995-03-09	08/401329	AMPEX CORP	1992-10-22	25509478
	13	US5701434A	Interleave memory controller with a co	1995-03-16	08/405190	HITACHI LTD	1995-03-16	23602659
	14	US5638534A	Memory controller which executes rea	1995-03-31	08/415038	SAMSUNG ELECTRONICS	1995-03-31	23644098
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	#	Patent No.	Title	Appl. Date	Appl. No.	Assignee (Std)	Earliest Priority	
	1	11842259224	Command queue apparatus included wi	1978-12-11	05/968311	HONEYWELL INFORMATI	1978-12-11	25514050

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	#	Patent No.	Title	Appl. Date	Appl. No.	Assignee (Std)	Earliest Priority	
	1	US6282574B1*	Method, server and telecommunications	2000-02-24	09/512471	BELL ATLANTIC NETWOR	1997-03-06	25208413
	2	US6411704B1*	System and method for providing teleph	1999-02-18	09/251031	AMERITECH CORP	1999-02-18	22950194
	3	<u>US6614781B1</u> *	Voice over data telecommunications net	1998-11-20	09/197203	LEVEL 3 COMMUNICATIO	1998-11-20	22728451
	4	US7120139B1*	Broadband cable telephony network arc	1999-12-30	09/475141	AT&T CO	1999-12-30	23886359
	5	US20010024436A1*	Voice-over IP audio-data terminal proce	2000-12-18	09/739410	BARRACLOUGH KEITH	+3 1999-12-17	26868196
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History

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O Application (PAIR)	ssignment Data 🔿 Fee Status 🔿 Patent Term Adjustment (P	AIR) O Prosecution histo		Legal status			
Assignment Data : 7				Q			
Reel/frame 006932/0047 Date recorded	Conveyance Type SECURITY INTEREST (SEE DOCUMENT FOR DETAILS).	Assignor Wang Laboratories INC	Execution Date 1993-12-20	Assignee (Owner) CONGRESS FINANCIAL CORP NEW ENGLAND			
1993-12-27				Correspondent BROWN, RUDNICK, FREED & GESMER			
Reel/frame 007341/0041	St/frame Conveyance Type Assignor Execution Date Assig (341/0041 RELEASE OF SECURITY INTEREST IN AND CONGRESS FINANCIAL 1995-01-30 WAN						
Date recorded 1995-02-16	REASSIGNMENT OF U.S. PATENTS AND PATENT APPLICATIONS	CORP NEW ENGLAND		Correspondent TESTA, HURWITZ & THIBEAULT			
Reel/frame 007377/0072	Conveyance Type SECURITY INTEREST (SEE DOCUMENT FOR DETAILS).	Assignor WANG LABORATORIES	Execution Date 1995-01-30	Assignee (Owner) BT COMMERCIAL CORP AS AGENT			
Date recorded 1995-03-15		INC		Correspondent TESTA, HURWITZ & THIBEAULT			

Litigation

View any US patent's involvement in District Court, ITC, PTAB, Court of Appeals for the Federal Circuit, and Supreme Court cases.

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emory co	ontrol unit with seled	ctive execution of queue	ed read and write requ	ests				
Full Text	Simple Family	Extended Family	Citations History	Litigation	Original Docu	iment		
S Litigatio	ons : 25							
∧ 3:08-c	v-01829 (Filing: 2008	-10-07) (Close: 2009-03-13	3) California Southern	District Court				
Plaintif	ff		Defendant			Judge		
Broadc	com Corporation		Qualcomm Incorporate	d		William Q. Hay	es	
[+ <u>Law</u>	v Firm & Attorneys]		[+ Law Firm & Attorney	<u>/s</u>]				
Patents	s-in-Suit: 2							
#	Patent No.	Title			Legal Status	Appl. Date	Appl. No.	Family ID
1	<u>US5379379A</u>	Memory control unit with	selective execution of queu	ed read and write	Expired	1990-09-06	07/580365	22794950
2	US5077733A	Priority apparatus having	programmable node dwell	time	Expired	1989-09-11	07/405792	26980776
✓ 4:07-c ²	v-06511 (Filing: 2007	-12-31) (Close: 2009-10-27	7) California Northern	District Court				
√ 9:07-c	v-00138 (Filing: 2007	-06-18) (Close: 2007-12-28	8) Texas Eastern Distri	ct Court				
V 06-937	7 (Filing: 2007-01-08)	(Close: 2008-07-11) U.S.	Supreme Court					
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✓ 4:06-c ²	v-06100 (Filing: 2006	-09-28) (Close: 2007-05-3	1) California Northern	District Court				
✓ 3:06-c ²	v-02110 (Filing: 2006	-08-31) (Close: 2007-11-16	6) Ohio Northern Distri	ct Court				
∧ 2005-1	1303 (Filing: 2005-03-	08) (Close: 2006-07-07)	Court of Appeals for the	Federal Circuit				
Appella	ant		Appellee			Judge		
LG Elec	ctronics, Inc.		Bizcom Electronics, Inc	.,				

Case records are updated everyday from PTAB Open API and authorized sources. Data coverage for each jurisdiction is as follows:

Jurisdiction	Filing Date (Start)
ITC	1972/04/04
РТАВ	2012/09/16
District Court	1980/02/05
Court of Appeals for the Federal Circuit	1991/06/07
Supreme Court	2004/03/03

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Standard essential patents (SEPs) with 3GPP specifications published by ETSI have a dedicated SEP Declarations tab.

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Sharing S	ettings Public Memo Group Memo	
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		Save

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Memo Group Name for your group		Memo Group Name for your group	
Select members who can acess those memos in this project		Select members who can acess those m	emos in this project
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1 Patentcloud Guide Add		1 Dinquartik.com(manager)	Remove
Cancel	Create	2 Dinquartik.com(manager)	Remove
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Memo Group 🏾 🏚	0
Demo for CSX	~
Fig.	2021-01-21 09:58
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Paragraph	2021-01-21 10:02
widespread because small size and porta achieve small-sized	e of their relatively bility. However, to portable
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Patent US7573707B2	2021-01-21 09:53
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3. The text linked to the note is now underline in orange, once clicked the selected text will be highlighted in blue for easier retrieval:

[0004] With the development of computer technology, use of portable computers has become widespread because of their relatively small size and portability. However, to achieve small-sized portable computers, many typically included expansion ports are not included, and so expandability of the portable computer is thus impaired. To compensate for the impaired expandability, the portable computer is typically provided with a docking station via which the portable computer may be connected with a mouse, a modem, and/or other peripheral equipment. 4. To add a memo to the entire patent document, click on the + button on the Memo tab:



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Public	Group Filter All	← ^{e.}				
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•	<u>USRE47978E1</u> 2	USRE47978E1		2021-01-20 11:34	Patent T.	
	<u>US971713282</u>	configured to receive a voice instruction from a user and send received voice	instruction to the control module,	2021-01-02 18:06	(Paragraph)	
	<u>US10845463B2</u>	US1084546382		2021-01-02 18:05	(Patent)	
•	<u>US757370782</u> 2	U\$757370782		2020-12-21 11:33	Patent	
	<u>CN28498009</u>	CN2849800Y		2020-12-21 11:22	Patent C.	
	<u>US20070127205A1</u>	US20070127205A1		2020-12-21 11:21	Patent	
θ	<u>US953213182</u> 2	a second inertial sensor included in the second earbud, wherein the first and user's vocal chords: processing by the first earbud the first acoustic sign	second inertial sensors detect vibration of a	2020-12-21 10:50	(Paragraph) 💼	
Θ	<u>US876912782</u> 2	Fig.R		2020-12-19 08:02	Fig.	
•	USRE38551 2	wherein Ar is phenyl which is unsubstituted or substituted with at least one h	alo group; Q is lower alkoxy, and Q1 is methyl.	2020-10-19 17:23	Paragraph a	
	TW201931284A 1	TW201931284A		2020-10-19 11:37	Patent	
0	<u>US10431044B2</u> 3	Fig.7		2020-09-23 11:57	Fig.	

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I. QUANTUM COMPUTI	ING DEVICE DESIGN											
R	Patent No.: US20190236218A1	Assignee:	Applicant:	Inve	ntor:							
N. C.	Pub./issue Date: 2019-08-01	Original:	International Business Machines Corp	oration Han	hee Paik							
	Appl. No.: 15/883652	Standardize:		Mart	tin O. Sandberg							
Territorian Contraction Contraction	Appl. Date: 2018-01-30	IBM CORP		Jay	M. Gambetta							
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P	Patent No.: US2018036558541	Assignee:	Applicant: In	ventor.								
	Pub./Issue Date: 2018-12-20	Original:	RIGETTI & CO., INC.	obert Stanley	Smith							
	Appl. No.: 16/012586	RIGETTI & CO., INC.	V	/illiam J. Zend	1							
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3. Methods and system	is for quantum computing											
B. Methods and system	Patent No.: <u>US1004463882</u> Pub./Issue Date: 2018-08-07	Assignee: • Original: 108 INFORMATION TECH	Applicant: 1QB INFORMATION TECHNOLOGIES I	Inventor NC. Majid Da	adashikelayeh							
3. Methods and system	Patent No.: US1004463882 Pub./Issue Date: 2018-08-07 Appl. No.: 15/830953	Assignee: • Original: 10B INFORMATION TECH • Standardize:	Applicant: 1QB INFORMATION TECHNOLOGIES I	Inventor NC. Majid Da Pooya R	: adashikelayeh IONAGH							
3 Methods and system	es for quantum computing Patent No: <u>US1004463882</u> Pub/Issue Date: 2018-08-07 Appl. No: 15/830953	Assignee: • Original: 108 INFORMATION TECH • Standardize:	Applicant: 108 INFORMATION TECHNOLOGIES I	Inventor NC. Majid Di Pooya R	: adashikelayeh ONAGH		Juc	Project_20	0190926_2 ▼	[#1]	٠	
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A Methods and system Source Design	s for quantum computing Patent No: US100466382 Pub./Issue Date: 2018-06-07 Appl. No: 15/830953 US20190236218A1 Quality: B Value: A QUANTUM COMPUTING C Full Text Simple Fe Abstract Abstract	Assignee: • Originat: IQB INFORMATION TECH • Standardize: • Standardize: • Risk Rele D EVICE DESIGN amily Extended Family C	Applicant: 1QB INFORMATION TECHNOLOGIES I 	Inventor NC. Majid Du Pooya R	US10044638H Quality: AAA	32 Active Value: AA stems for qua imple Family	Risk F nturn compu Extended	Project_2/ Rele sting Family	0190926.2 ▼ Citations	History	¢. Origi	inal D
A Methods and system Software and system	s for quantum computing Patent No: US1004463882 Pub./Issue Date: 2018-08-07 Appl. No: 15/830953 US20190236218A1 Quality: 8 Value: A UUANTUM COMPUTING Simple Fa Abstract Techniques and a system fo example, a system includes	Assignee: • Original: 108 INFORMATION TECH • Standardize: • Standardize:	Applicant: 1QB INFORMATION TECHNOLOGIES I	Inventor NC. Majid Da Pooya R	US10044638I Quality: AAA UMEThods and sy Full Text S Abstract The present disclose	32 Active Value: AA stems for qua imple Family sure provides me ready and/or qu	Risk F Risk F	Project_21 Refe rting Family s, and media d computers	D190926_2 ▼ Citations I a for quantum co	History	Origi including g environ	allow
3) States of a patient of a patient of the reading system of the	s for quantum computing Patent No: US1004463882 Pub./Issue Date: 2018-08-07 Appl. No: 15/830953 US20190236218A1 Quality: B Value: A QUANTUM COMPUTINC C Full Text Simple Fa Abstract Techniques and a system fo reample, a system includes component models a quant	Assignee: • Original: 108 INFORMATION TECH_ • Standardize: • Standardize:	Applicant: 108 INFORMATION TECHNOLOGIES I 2100 INFORMATION TECHN	Inventor Nc. Majid D Pocya R	US10044638I Quality: AAA Methods and sy Full Text S Abstract The present disclosed Methods and and system Methods and system M	32 Active Value: AA stems for qua imple Family sure provides me ready and/or qua	Risk F Risk F Risk system Ricker System antum enables systems may	Project_21 Rele	Citations I in a distribution and coordinates	- History mputing, computing	Origi including g environ als service	allow ment es.
(3) Statistics for quantum Statistics for quantum S	to or quantum computing Patent No: US1004463882 Pub./issue Date: 2018-08-07 Appl. No: 15/830953 US20190236218A1 Quality: B Value: A OUANTUM COMPUTING Computing Simple Fe Abstract Techniques and a system foldes component models a quant circuit element to generate 4 component simulates the quants	Assignee: • Originat: • Dis INFORMATION TECH • Standardize • Standardize	Applicant: 1Q8 INFORMATION TECHNOLOGIES I 2014 INFORMATION TECHNOLOGIES I Citations History Original Do-> ling and design are provided. In one ation component. The modeling myoung devices an electromagnetic quantum computing devices. The simulation	Inventor NC. Majid D Pocya R	US100446381 Quality: AAA (Quality: AAA (Methods and sys Full Text S Abstract The present disclo access to quantum	32 Active Value : AA Value :	Risk F Risk F Risk F thrum comput thods, system: antum enable systems may tidisclosure m of quantum co	Project_20 Refe	Citations I a for quantum computi users at various	-istory mputing, scomputin mg to be re- ng to bert	Origi including g environ al service in service	allow allow ment es. and be case
A Methods and system Standard System Solution Solutio	st for quantum computing Patent No: US1004463882 Pub./isaue Date: 2018-08-07 Appl. No: 15/830953 Pub./isaue Date: 2018-08-07 Appl. No: 15/830953 US20190236218A1 Gualty: B US20190236218A1 Gualty: B Value: A Guantrum Computing C Full Text Simple Fa Abstract Techniques and a system foldes component models a quant circuit element to generate component models circuit element circuit element circuit element circuit element circuit circuit element circuit ci	Assignee: • Originat: • Originat: • Originat: • Standardize: • Standardiz	Applicant: 108 INFORMATION TECHNOLOGIES I 108 INFORMATION TECHNOLOGIES I 2010 INFORMATION TECHNOLOGIES I 108 INFORMATION TECHNOLOGIES I 109 INFORMATION TECHNOLOGIES I 100 INFORMATION T	Inventor NC. Majid Di Pooya R	US100446381 Quality: AAA Quality: AAA Methods and sys Full Text S Abstract The present disclo access to quantum (e.g., the cloud). Sk Methods and syste Methods and syste	32 Active Value: AA stems for qua imple Family sure provides me reedy and/or qu heretody and/or qu sure to have a svarious types ru users to have a	Risk F ntum compu Extended thods, system antum enabled systems may t disclosure m of quantum co	Project_2/	D190926_2 ▼ Citations a for quantum co unin a distributed mization and computi utuers at valous	History mputing, computinn mputation g to be to g to be to memetation	Origi including g environ ial service is, in som on or the purpter Service	inal Do g allow ment se s. and se caso
S. Methods and system Solution	st for quantum computing Patent No: US1004463882 Pub./isaue Date: 2018-08-07 Appl. No: 15/830953 Pub./isaue Date: 2018-08-07 Appl. No: 15/830953 US20190236218A1 Outer Comparison of the component models a quant or alternatively, a Hamitonia	Assignee: • Originat: • Osignat: • Osignat: • Standardize: • Standardize:	Applicant: 1Q8 INFORMATION TECHNOLOGIES I 2 INFORMATION TECHNOLOGIES I 2 Information (Information (Informa	Inventor NC. Majid Di Pocya R	Adashikelayeh IONAGH US10044638I Quality: AAA Methods and sys Full Text S Abstract The present disclo access to quantum (e.g., the cloud). Sk Methods and syste readily scaled acro without the need for knowledge that me provided herein me	32 Active Value: AA stems for qua imple Family sure provides me ready and/or qu to methods and and of the presers s valous types to users to have a ty be required for ty include user in ment while taken	Risk F	Project_21 Rele	Citations I a for quantum co unattantian and computed users at valoures, imp error utata to perform data chomolour in the	History mputing, scomputin putation s location ementation s location	Origi including g environ g environ or the eatively is, in som or or the putter. S; n a distrii	g allowinent es, and he case ystems buted

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Utilizing Patentcloud's proprietary algorithm, Patentcloud is able to assign a quality and value ranking for each patent. To see the Patent Quality and Value Rankings for a patent, please follow the steps below.

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Figure (15)

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US20190236218A1 Pending		
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QUANTUM COMPUTING DEVICE DESIGN		
Full Text Simple Family Extended Family Citations History Original Document		
Abstract Abstract Figure (14)		
Techniques and a system for quantum computing device modeling and design are provided. In one example, a system includes a modeling component and a simulation component. The modeling component models a quantum device element of a quantum computing device as an electromagnetic circuit element to generate electromagnetic circuit data for the quantum computing device. The simulation component simulates the quantum computing device using the electromagnetic circuit data to generate response function data indicative of a response function for the quantum computing device. Additionally or alternatively, a Hamiltonian is constructed based on the response function.		
A Bibliography		IJ

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Semantic Search

What's Semantic Search?

Semantic Search is a type of patent search that delivers results based on keyword concepts (semantic similarity: https://en.wikipedia.org/wiki/SePlease add this article to the section of "Result & Page View"mantic similarity) instead of based only on exact keyword matches. The idea behind Semantic Search is based on the likeness of meaning or semantic content as opposed to keyword similarity. For example, if your search criteria are the keywords "car" and "road," Semantic Search will deliver results related to "car" and results related to "road." Semantic Search will then search for the results that have both the "car" and "road" keywords. These results will be listed first. Semantic Search will also search for related keywords/concepts, like "street" and "automobile", but they will have a lower ranking. This ranking is based on InQuartik's semantic similarity search algorithm. These keywords or concepts will result in a list of concepts that are similar to the results of the input criteria. Concepts like "automobile" or "street" will also be included because they are related to the concepts of "car" and "road". Semantic Search not only broadens your search, but it also makes it more precise because it retrieves the most relevant patents, according to similarity.

Query Text

Click on the Semantic Search tab on the main page, then follow the steps to execute a Semantic Search.

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- 1. In the Semantic Search query box, enter the **invention concept** that you want to search for. You may input **natural language text**, or copy and paste an entire **abstract** or **claim statement** into the query box.
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Search Results

Semantic Search will list the top 300 most relevant search results. There may be more than 300 results, but only the 300 most relevant will be listed. Semantic Search uses InQuartik's proprietary algorithm to analyze the semantic similarity of the keyword and the patent text, with the patents with the most similarity listed first.

Highly-relevant results are starred. Kaye Lee 🔻 E Search 🗸 Save 🔻 Semantic Search semantic natural language processing Keywords (2) 7 🖉 🗆 🖻 🕞 🖉 🖻 300 records Select a Keyword Set -🗆 All Clear All 🛛 📒 natural (68) \land 🗸 📋 Interpret to the semantic analysis of natural language Pub - Granted 👁 📕 semanti (99) \land 🗸 📋 R Patent No.: CN103268313A Assianee: Applicant: Inventor Updated : 2013-08-27 Orig. Assignee: 北京云知声信息技术有限公司 刘升平 to the state + Add new keyword Pub./Issue Date: 2013-08-27 Orig. Assignee (STD): BEIJING UNISOUND IN.. Appl. No.: 201310190366.5 Appl. Date: 2013-05-20 The invention provides a method and device for a **second a** nalysis of a **hatura**! language. When a received **natura**! language corresponds to at least two lexemes in a preset data base, a lexeme of the **hatura**! language a history analytic result. In other words, the history analytic result serves as reference, and the lexeme of a current **hatura**! language is analyzed. Generally, the use habit of a user has continuity. Therefore, the purpose user can be reflected through the history analytic result. Therefore, when the **hatura**! language corresponds to more than one lexeme, instead of only dependi... More Like 47 2 * METHOD AND SYSTEM FOR NATURAL LANGUAGE PROCESSING R Patent No.: JPH05-324713A Assignee: Applicant: Inventor:

In this article, learn how to:

<u>Highlight and save keywords</u> <u>Filter results</u> <u>Collapse by Application No. or by Family</u> <u>Add a specific search result to update your query</u>

Highlight and save keywords

System-identified keywords will automatically be highlighted. Click on the Highlighter icon to add/remove keywords or turn the highlighter feature on/off. You can also save 10 sets that can hold up to 40 keywords each - this makes it quicker and easier to highlight the same set of keywords across different search results.

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To learn more, refer to this Highlighter guide.

Filter results

Further refine your search by using the Advanced Filter on the left pane. Click on the Filter icon to see the options.



Collapse by Application No. or by Family

PS

Go through the Semantic Search results quickly by using the Collapse function. Collapse results by application number or by family. The sort sequence (#) will still be based on the family member with the highest rank.

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Consider using <u>different view modes</u> to suit your reading preference.

Add a specific search result to update your query

Use a highly relevant search result to update your query and improve the relevance of your results.

Click on the More Like button and the system will run another 300 results using the selected patent and the original search text as a new query.



Visual Analytics

Basic Analysis in Patent Search

There are two ways to retrieve a statistical chart for basic analysis. It can be used either for a preliminary search result or for a project.

Statistical Chart for a Search Result

Patent Search offers basic analyses based on a variety of data after queries. To use this statistics feature, follow the steps below:

1. A result is displayed after a data search.



2. Click on the Statistical Chart button. This will take you to the statistics feature.

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Curr. Assignee	\sim		Appl. No.: 3	914/CHENP/2	800	D-WAVE SYSTEMS, INC									
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4. After selecting the desired data field(s), a statistical chart will be displayed. In this case, two data fields were selected.



5. Viewing charts in other formats (e.g., bar charts) is also possible, but this cannot be done for a timerelated data field. Press the Bar Chart button for chart options, and then select the chart format that you prefer.



6. You can also further narrow down your search by filtering your search by various parameters. Select the parameters you wish to filter by (on the left-hand side of the page), and then press **Filter**. If you cannot see the filter panel, make sure to click on the Expand to the left icon ○.



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Applicant	Y	Y	Y
Inventor	Y	Y	Y
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Agency	\sim		nultipurpose Electrical	Patent No : US20170373507A1	Assignee:	Applicant	Inventor	
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			A multipurpose electrical surface for connecting to	assembly is provided that includes a the assembly and receiving electrica	module receiving an alternating	current from a power so	surce in a ceiling and converting the alternating current source to a direct	ct current source. The multipurp
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Assignee/Applicant	\sim	1. System and Method f	or Effecting <mark>Smoke Detector</mark> Data	Transmission	from a <mark>Smoke Detec</mark>	lor
Assignee (Std)	\sim	R	Patent No.: US20190081814A1	Assignee:		Applicant:
Curr. Assignee	\sim		Pub./Issue Date: 2019-03-14	Original:		4Morr Enterprises IP, LL

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Patent Type	\sim	B C O	Patent No.: US20200083718A1	Assignee:	Applicant:	Inventor:
Assignee/Applicant	\sim		Pub./Issue Date: 2020-03-12	Original: 286 Two LLC	286 Two LLC	Paul Amelio
Assignee (Std)	~	<u></u>	Appl. No.: 16/679853	Standardized:		Alfonso Amelio
Curr. Assignee @	~		Appl. Date: 2019-11-11	286 TWO LLC		David Katz
Inventor	~	45 ~				
Inventor (Std)	Ť	A multipurpose electrical	assembly is provided that includes a	module receiving an alternating	current from a power sou	rce in a ceiling and converting the alternating current source to a direct current source. The multipurp
Inventor (Std)	· · ·	surface for connecting to attaches	the assembly and receiving electrica	al power from a preceding device	and a second connector	on a second opposing surface for receiving a following device to be connected to the assembly and
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Abandon Type	\sim	Multipurpose electrical	Patent No : US10476276P2	Assigned	Applicants	lauseber
Quality 🔞	\sim		Pub./Issue Date: 2019-11-12	Assignee. Original:	286 Two LLC	Paul Amelio
Value 🔞	\sim	6-	Appl. No.: 15/633712	286 Two LLC		Alfonso Amelio
IPC	\sim		Appl. Date: 2017-06-26	 Standardized: 286 TWO LLC 		David Katz
CPC	\sim	di constante da la constante da				
Locarno	\sim	A multinurpose electrical	assembly is provided that includes a	module receiving an alternating	current from a power sou	rce in a ceiling and converting the alternating current source to a direct current source. The multipurt
USPC	\sim	surface for connecting to	the assembly and receiving electrica	al power from a preceding device	and a second connector	on a second opposing surface for receiving a following device to be connected to the assembly and
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Agency	~	Multipurpose Electrical	Patent No : US2017027250741	Anniannou	Applicant	lauseter
		H C	Pub /Issue Date: 2017-12-28	Assignee.	Paul Amelio	Paul Amelio
Examiner	~		Appl. No.: 15/633712	Standardized:	Alfonso Amelio	Alfonso Amelio
Kind Code	\sim		Appl. Date: 2017-06-26	PAUL AMELIO	+2 David Katz	David Katz
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		A multipurpose electrical surface for connecting to attaches	assembly is provided that includes a the assembly and receiving electrica	I module receiving an alternating al power from a preceding device	and a second connector	rce in a ceiling and converting the alternating current source to a direct current source. Ine multipur, on a second opposing surface for receiving a following device to be connected to the assembly and
		MULTIPURPOSE ELECT	RICAL FIXTURES			
		R 7.0.	Patent No.: WO2017/223571A1	Assignee:	Applicant:	Inventor:
		12017367	Pub /Issue Date: 2017-12-28	▲ Orininal:	AMELIO Paul	
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			<i>p</i> -0	Pub./Issue Date: 2019-03-14	+ Original:	4Morr Enterprises IP, LLC	Michael Orr			
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				4	۲	IES60020B2 🙎	Smoke detector		1994-05-18
				5	۲	USRE33920 9	Smoke detector having variable level sensitivity		1992-05-12
				6	۲	USRE32105 🙎	Forward scatter smoke detector		1986-04-01
				7	۲	AUPN809696D0 9	Relocation of battery and test switch from battery operated smoke detector		1996-03-07
				8	۲	AUPN365995D0 9	Smoke detector operated isolating switch		1995-07-13
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				12	۲	JPH08-284290A 9	OFFICE STRUCTURE		1996-10-29
				13	۲	JPH08-202970A 9	METHOD FOR SETTING UP OPTIMUM THRESHOLD OF HIGHLY SENSITIVE SMOKE DETECTOR		1996-08-09
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