

How to Identify and Track Competitors Using PatSnap

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It is important to identify competitors since this will enable you to become aware of your competitors within your technology field and will help you to know who you should focus your attention on.

Once you have identified your competitors it is equally as important to track them after that so you know what technology areas they are currently focusing on and looking to move into.

Using PatSnap, you are able to both identify and track competitors using various different functionalities.

Competitor Identifying

Identifying competitors using PatSnap is not as complicated as it may first seem. If you can master it you'll be able to gain an insight into their portfolio, and upon further analysis, their filing strategies, including trends and specific areas to avoid, whether it be through litigation cases linked with certain patents or objections.

Identifying Competitors From a Technology Search

As can be found in our <u>Technology Searching</u> document, the best way of performing a search within a specific technology field is by searching for keywords in the title/abstract/claims (TAC) field and using classification codes that correspond to that field.

You can identify competitors after performing a technology search by looking at the assignees that appear in the search results for this search.

IPC Sub Group	×	94,1	22 total	records 🚯 Copy query				Most	Relevant 🗸 50 🗸	\equiv \checkmark	\$
B60H1/00			#	Publication Number	Title	Assignee Name	Inventor Name	Application Date	Publication Date		
B60R16/02 B60J5/04			• 1	EP1209069B1	Car body front structure for automobiles	DAIHATSU MOTOR CO., LTD.	TERAMAE, HIDEKI NOBUYA, NAKADE	16 Nov 2001	04 May 2005		
B62D25/08 B60R11/02			• 2	KR1020140013448A	APPARATUS FOR CONTROLLING VELOCITY OF MOTOR CAR FOR CHILDREN	이타희	이다희	24 Jul 2012	05 Feb 2014		
B60L11/18 B60H1/32			• 3	EP1470024B1	AUTOMOBILE INFRARED-NIGHT VIEWING DEVICE.	DAIMLERCHRYSLER AG	EGGERS, HELMUTH KURZ, GERHARD SEEKIRCHER, JÜRGEN +1	20 Jan 2003	22 Jun 2005	\$	÷
Assignee HYUNDAI MOTOR COMPANY	4241		• 4	TW201515366A	DIFFERENTIAL MOTOR-OPERATOR	HONGYU ENERGY SCIENCE CO., LTD. CHU, CHEN CHIANG	CHU, CHEN CHIANG	03 Oct 2013	16 Apr 2015		
현대자동차주식회사 HANON SYSTEMS KIA MOTORS CORPORATION	4056 2096 2091		• 5	EP2639097A3	Control device, control method and electric motor cat	KABUSHIKI KAISHA TOSHIBA	KOGA, TAKERU NOGI, MASAYUKI KAWAI, HIROTOSHI +1	26 Jul 2012	12 Aug 2015		
 한은시스템 주식회사 기아자동차주식회사 NISSAN MOTOR CO LTD 	2034 2026 1358		• 6	EP2639097A2	Control device, control method and electric motor cat	KABUSHIKI KAISHA TOSHIBA	KOGA, TAKERU NOGI, MASAYUKI KAWAI, HIROTOSHI +1	26 Jul 2012	18 Sep 2013		
PERCENT CITROEN AUTOMOBILE ROBERT BOSCH GMBH DAEWOO MOTOR CO.,LTD	1318 1145 1119 More		• 7	EP0274993A1	Front body module for a motor cat, a front modular sub- assembly for a motor cat using this front module, and a method for assembling a motor vehicle with the use of this modular sub-assembly	FIAT AUTO S.P.A.	CORNACCHIA, FELICE BRUNO, ANDREINO GHIONE, STEFANO	24 Nov 1987	20 Jul 1988		
IPC Application Year Standardized Assignee	(7) ~ ~ ~		• 8	EP0274993B1	Front body module for a motor cat , a front modular sub- assembly for a motor cat using this front module, and a method for assembling a motor vehicle with the use of this modular sub-assembly	FIAT AUTO S.P.A.	CORNACCHIA, FELICE BRUNO, ANDREINO GHIONE, STEFANO	24 Nov 1987	06 Feb 1991		

It is also useful to filter by simple legal status to see only patents that are active or pending since inactive patents cannot be used at all by your competitors to block you from operating within a specific technology field.

IPC Sub Group	× 9	14,122 tot	al records 🚯 Copy quer	у			М	ost Relevant 🗸 50 🗸	\equiv \checkmark	\$
B60H1/00		#	Publication Number	Title	Assignee Name	Inventor Name	Application Date	Publication Date		
B60R16/02 B60J5/04		• 1	EP1209069B1	Car body front structure for automobiles	DAIHATSU MOTOR CO., LTD.	TERAMAE, HIDEKI NOBUYA, NAKADE	16 Nov 2001	04 May 2005		
B62D25/08 B60R11/02		• 2	KR1020140013448A	APPARATUS FOR CONTROLLING VELOCITY OF MOTOR CAR FOR CHILDREN	이다희	이다희	24 Jul 2012	05 Feb 2014		
B60L11/18 B60H1/32		iii • 3	EP1470024B1	AUTOMOBILE INFRARED-NIGHT VIEWING DEVICE	DAIMLERCHRYSLER AG	EGGERS, HELMUTH KURZ, GERHARD SEEKIRCHER, JÜRGEN +1	20 Jan 2003	22 Jun 2005		
Assignee	Ě	• 4	TW201515366A	DIFFERENTIAL MOTOR-OPERATOR	HONGYU ENERGY SCIENCE CO., LTD. CHU, CHEN CHIANG	CHU, CHEN CHIANG	03 Oct 2013	16 Apr 2015		
Application Year Standardized Assignee	~	iii • 5	EP2639097A3	Control device, control method and electric motor car	KABUSHIKI KAISHA TOSHIBA	KOGA, TAKERU NOGI, MASAYUKI KAWAI, HIROTOSHI ±1	26 Jul 2012	12 Aug 2015		
Grouped Assignee Name Std. Assignee Type	×	Refine Clear	EP2639097A2	Control device, control method and electric motor car	KABUSHIKI KAISHA TOSHIBA	KOGA, TAKERU NOGI, MASAYUKI KAWAI, HIROTOSHI +1	26 Jul 2012	18 Sep 2013		
Authority Patent Type CPC	~ ~ ~	• 7	EP0274993A1	Front body module for a motor cal , a front modular sub- assembly for a motor cal using this front module, and a method for assembling a motor vehicle with the use of this modular sub-assembly	FIAT AUTO S.P.A.	CORNACCHIA, FELICE BRUNO, ANDREINO GHIONE, STEFANO	24 Nov 1987	20 Jul 1988		
LOC UPC Publication Year	~ ~ ~	. • 8	EP0274993B1	Front body module for a motor cat, a front modular sub- assembly for a motor cat using this front module, and a method for assembling a motor vehicle with the use of this modular sub-assembly	FIAT AUTO S.P.A.	CORNACCHIA, FELICE BRUNO, ANDREINO GHIONE, STEFANO	24 Nov 1987	06 Feb 1991	Ð	Φ
Simple Legal Status Inactive 59 CActive 24	942	•••	EP2045170B1	Front end structure for automobile	MAZDA MOTOR CORPORATION	TERADA, SAKAYU NAKAYAMA, NOBUYUKI TOCHIOKA, TAKAHIRO	01 Oct 2008	22 May 2013		
Pending 5 Undetermined 4 Legal Status	082 813	• 1	0 EP0108522A1	Instrument panel for a motor cal	FORD MOTOR COMPANY LIMITED FORD-WERKE AKTIENGESELLSCHAFT FORD FRANCE SOCIETE ANONYME	PERCY, JOHN ALBERT GEORGE	12 Oct 1983	16 May 1984		

Companies with lots of active or pending patents in the technology field you are interested in could well be one of your main competitors.

Identifying Competitors From Citations of you own Portfolio

To do this click on any patent of interest and click on the "Citation Map" option.

US5309137	Motor <mark>Car</mark> Trave	ling Control Device							
Overview	Dual View Ci	itation Patent Family	Legal Information			Life Sciences	G Add to Workspace	🔹 🖂 📢	🗵 Citation Map 🙆 Che
									•
	Title	Motor car traveling control	levice						
- and -	Value (USD)	unavailable							
	Application Date	14 Feb 1992	Publication D	ate 03 May 1994		Issue Date 03 May 199	4		
, seine in	Application Number	US07/835411	Publication Num	per US5309137					-
	Applicant	MITSUBISHI DENKI KABU	SHIKI KAISHA Tokyo, JP						
	Standardized Assign	ee MITSUBISHI ELECTRIC	8						
bstract	DOCDB Assignee	MITSUBISHI ELECTRIC C	ORP						
laims	Name								
escription	Assignee Name	MITSUBISHI DENKI KABU	SHIKI KAISHA Tokyo, JP						
ore like this	Current Assignee	MITSUBISHI DENKI KABU	SHIKI KAISHA 2-3, MARUNOUCHI 2-CHOME	, CHIYODA-KU, TOKYO, JAPAN	Transfer Records				
	Standardized Invent	or KAJIWARA YASUYA							
anslation	Inventor Name	KAJIWARA, YASUYA Hyo	go, JP						
Not displayed CN	International Classification	IPC(1-7): G08G1/16 B60Q IPC(8): B60K31/00 G01S1	//00 H04N7/18 /12 G01C3/10 G01C3/00 G01S3/78 G01S11/0	0 G01S3/786 G05D1/02					
EN	US Classification	340/436 340/903 348/148	48/170						
	Cooperative Classification	B60K31/0008 G01C3/10 G	01S3/7864 G05D1/0223 G05D1/0251 G05D1/0	289 G01S11/12 G05D2201/0213					
	Agency	SUGHRUE,MION,ZINN,M/	CPEAK & SEAS						
	Primary Examiner	CROSLAND, DONNIE L.							
	Priority Data	1991030606 26 Feb 1991 1991069847 02 Apr 1991 J	P P						
	External link	<u>))</u> 🐵							
	Abstract A motor car travelling of the first car and ca second car. The con causes the first car to	g control device which measure auses the first <mark>car</mark> to maintain it: trol device also includes a lane o maintain its present speed.	s the distance between a first cal and a second present speed. The motor cal travelling contro change detector, a speed controller and a lane	ca while tracking the image of the device includes an inter-cats dis change informer. When the second	ie second <mark>car</mark> . When the second car tance detector, of the image trackin Id <mark>car</mark> changes its travelling lane, th	changes its travelling lan g type, for measuring the o lane changes informer in	e, the control device inform listance between a first <mark>car</mark> forms the driver of the first	s the driver and a car and	

In the Citation Map, you will then be able to see a treemap of both forward and backward citations for this specific patent. The patents you should then focus on are the forward citations (i.e. the patents that are labelled as "Cited by") since this gives you a list of patents that have cited your patent of interest.



You will then be able to find a further list of competitors by showing the Standardized Assignees for the forward citation list which can be done by selecting the option of "Show by Standardized Assignee" in the menu on the left-hand side of the map.

No Family Simple Extended Beta INPADO	C Group APNO Group by nation C Display options	Search
Show by Standardized Assignee		+ MAGNA ELECTRONICS 😵
MAGNA ELECTRONICS	98 ^	+ MAGNA ELECTRONICS 😵
	17 +O-MITSUBISHI ELECTRIC	+ MAGNA ELECTRONICS 😵
AUTOMOTIVE TECH INT	11	+ MAGNA ELECTRONICS 😵
DONNELLY	8	+ MAGNA ELECTRONICS 😵
NISSAN	6 +O AUTO SENSE	DONNELLY 😵
MITSUBISHI ELECTRIC	4	O GM GLOBAL TECHNO
O THINKOPTICS	4	to MAGNA FLECTRONICS
O MAZDA	3 +O-AISIN-WARNER	THINKOPTICS
C AISIN AW	2	
O DAIMLER-BENZ	2	
FUJI ELECTRIC	2 +O ENVIRONMENTAL RES 9 183	+O THINKOPTICS V
C FUJITSU	2 0 US5309137 0	ONNELLY 😵
GM GLOBAL TECHNOLOGY OPERATIONS	2	+O MAGNA ELECTRONICS 🔮
	2 O TECNOMARE	+ MAGNA ELECTRONICS 🔮
C AISIN WARNER	1	+ DONNELLY 😵
AUTO SENSE	1	+O MAGNA ELECTRONICS 😵
O BASTEN MARK	1 +O MEL MIKRO ELEKTRONIK	+O MAGNA ELECTRONICS 😵
O BAYERISCHE MOTOREN WERKE	1	NINTENDO 😵
BAYERISCHE MOTOREN WERKE	1	NINTENDO
	TU NISSAN	+O MAGNA ELECTRONICS 😵
ENVIRONMENTAL RES INST OF	1	+ MAGNA ELECTRONICS
- MICHIGAN	NISSAN	+ MAGNA ELECTRONICS 😵
		+ MAGNA ELECTRONICS 🔬 😵
		+ MAGNA ELECTRONICS
		+ MAGNA ELECTRONICS
	1	+ DONNELLY 😵
		+O MAGNA ELECTRONICS
Select All List		+O ROBERT BOSCH GMBH

Identifying Competitors on Insights

It is also possible for you to identify competitors by making use of our Insights platform.

To do this, begin by creating a Technology Dashboard based on your search results. This can be done by clicking on the "Insights" option from the search results page.

h.	Analyze	e 🔤 Landscape 💽 Ins	ights				🖱 🖻 🛃	Save 3	to Works	pace
29,3	57 total r	ecords 🚯 Copy query				Ν	Nost Relevant V 5	0 🗸	= ~	\$
	#	Publication Number	Title	Assignee Name	Inventor Name	Application Date	Publication Date			
	• 1	EP1470024B1	AUTOMOBILE INFRARED-NIGHT VIEWING DEVICE	DAIMLERCHRYSLER AG	EGGERS, HELMUTH KURZ, GERHARD SEEKIRCHER, JÜRGEN +1	20 Jan 2003	22 Jun 2005			
	• 2	EP2045170B1	Front end structure for automobile	MAZDA MOTOR CORPORATION	TERADA, SAKAYU NAKAYAMA, NOBUYUKI TOCHIOKA, TAKAHIRO	01 Oct 2008	22 May 2013			
	• 3	KR200481135Y1	OBSTACLE AVOIDANCE DRIVING SYSTEM FOR BABY	소재국	소재국	06 Jan 2016	18 Aug 2016			
	• 4	US20120086369A1	PROPULSION CONTROL APPARATUS FOR ELECTRIC	MITSUBISHI ELECTRIC CORPORATION	KITANAKA, HIDETOSHI TAKEOKA, TOSHIAKI HATANAKA, KEITA	05 Jul 2010	12 Apr 2012		\$	₽Ū₽
	• 5	DE102013003035A1	Method for obtaining movement profile of observed motor car e.g. bus, involves receiving vehicle identifier and associated observation data with meeting time point and position indicator for meeting location of observed motor car	AUDI AG	HAINZLMAIER ANDRE LAMPRECHT ANDREAS	22 Feb 2013	28 Aug 2014			
	• 6	EP2707246B1	METHOD FOR OPERATING A MOTOR CAR WITH A DRIVER ASSISTANCE SYSTEM	AUDI AG	WESENBERG, ANDÉ REDEKER, MICHAEL	08 May 2012	08 Jul 2015			
	• 7	KR1020160100254A	AUTOMOBILE QUICK CHARGE CONTROL DEVICE	리아오 젠 라이 리아오 후, 웬 후아 리아오 수안 시엔 +2	리아오젠 라이 리아오후,웬 후아 리아오수안 시엔 +2	12 Feb 2016	23 Aug 2016			
	• 8	DE102012012739B4	Devices and methods for semi-automatic, automated and mobile exchange an electric battery for powering automobiles	BÜDENBENDER GÜNTHER	BÜDENBENDER GÜNTHER	26 Jun 2012	27 Nov 2014			
	• 9	DE102012012739A1	Exchange system for electric battery of motor vehicle, comprises operating system and functionality of technical procedures and associated data and information flow for partially automated exchange of electric battery	BUEDENBENDER GUENTHER	BÜDENBENDER GÜNTHER	26 Jun 2012	02 Jan 2014			
	• 10	TW201515866A	An Automobile Door Handle Alert System Structure	FEN DENG OPTOELECTRONIC APPLICATIONS LTD	YE, JIAN DE	21 Oct 2013	01 May 2015			
	11	US20020065584A1	Method of controlling devices via speech signals, more particularly, in motorcars	KELLNER ANDREAS FISCHER ALEXANDER	KELLNER, ANDREAS FISCHER, ALEXANDER	22 Aug 2001	30 May 2002			
	• 12	US7165027	Method of controlling devices via speech signals, more particularly, in motorcars	KONINKLIJKE PHILIPS ELECTRONICS N.V.	KELLNER, ANDREAS FISCHER, ALEXANDER	22 Aug 2001	16 Jan 2007			

From here, you will straightaway be able to see a list of the top companies within this technology field.

Company	Technology		
	Keywords 🕥 Query	Workspace	
TAC:("car" OR "autom	obile" OR "driving vehicle" OR "motorcar" OR "motor car")	Preview	ew.
Search Helper			
Technology PatSnap	Query		
Total Patents:	29,367		
Patsnap Query:	TAC: ("car" OR "automobile" OR "driving vehicle" OR "motorcar" OR "motor car")	
	HANON SYST	1,4	131
	한온시스템	1,3	354
	HYUNDAI MOTOR COMPANY	1,2	250
	RENAULT	1,1	123
Top 10 companies	VALEO SYST THERMIQUES S	7:	757
top to companies	PEUGEOT & CIE	6	507
	ΤΟΥΟΤΑ	5	540
	HONDA	3	389
	MAZDA	3	381
	KIA MOTORS	3	365
		Create Technology Dashboa	ard

You can also identify companies within a specific technology field in Insights by looking at the "New Companies" graph which is found in the "Innovation Profile" area.



Either of these methods is an effective way of identifying competitors and also shows that there are multiple different ways of identifying your competitors using PatSnap. It should also be noted that Insights focuses on the current portfolio for a particular assignee and not their full portfolio.

Competitor Tracking

Once you have identified your competitors it is equally important to track them after this so that you can keep up-to-date with the technology fields that they are currently working in or plan to work in the future. There are various different ways to track competitors using PatSnap by utilizing a multitude of its different functionalities.

Once you have identified your competitors it is worthwhile to do a full portfolio search on their patents so that you can get a full picture of the technology fields they are currently working in or have worked in the past. To do this, type the competitor's company name into the "Assignee" field in the "Advanced" Search page. This will automatically search using 4 different Assignee search fields (Original Assignee, Standardized Assignee, Current Assignee, Standardized Current Assignee) to give you a broad scope of their portfolios.

All Databases			Save template 🔹
All Fields	Enter keyword	d, company name, or patent number	Ĩ
AND Title/Abstract	Example: car	AND seat	1
AND V Assignee	HANON SYST	Г	
AND V IPC	Example: A61	K OR C07H7/06	
+ Add Field			
	1		
	•		Command Search 🖋
Search			Command Search 🖍
Search Clear Corporate Tree		× As companies h it may be benefic	Command Search < Search Helper > ave different subsidiaries, cial for you to also make use
Search Clear Corporate Tree HANON	Search	 As companies h it may be benefic of our Corporate company's struct 	Command Search < Search Helper > ave different subsidiaries, cial for you to also make use Tree, to understand that ture. It should be noted that



Once you have performed this search you will see the technology fields that this company is focusing on and you will be able to identify whether this company is actually a competitor.

Ast	signee	~	12,	592 tota	al records 🚯 Copy query				Mo	st Relevant \checkmark 50 \checkmark \equiv \checkmark \diamondsuit
IPC		^		#	Publication Number	Title	Assignee Name	Inventor Name	Application Date	Publication Date
	PC Sub Group B60H1/00 Heating, cooling or	2000		• 1	KR1020160023947A	AIR CONDITIONER FOR VEHICLE	HANON SYSTEMS 한은시스템 주식회사	KIM, TAE WAN 김태완 KONG, TAE YUN 공태윤 KIM, IN HYEOK 김인혁 +3	21 Aug 2014	04 Mar 2016
	PEONIAC Cooling devices (neating, co	2030		• 2	KR1020160041370A	Heat exchanger	HANON SYSTEMS 한은시스템 주식회사	이덕호	07 Oct 2014	18 Apr 2016
-	adapted to transport refrigerate	2467		• 3	KR1020160033838A	Heat pump system for vehicle	HANON SYSTEMS 한은시스템 주식회사	김학규 이상기 강성호	18 Sep 2014	29 Mar 2016
	B60H1/12 using an air blower	1655		• 4	KR1020160043405A	Rear head of compressor	HANON SYSTEMS 한은시스템 주식회사	박일영	13 Oct 2014	21 Apr 2016
	F04B27/08 . having cylinders coaxial with, or parallel or inclined to, n	979		• 5	KR1020160024328A	Device for counterbalancing axial load in centrifugal compressor	HANON SYSTEMS 한운시스템 주식회사	PARK, GUN WOONG 박건응 KEON, DAE BOK 권대복 CHO, KYUNG SEOK 조경석	25 Aug 2014	04 Mar 2016
	Auxiliary supports for elements	705						+2		
	F28F9/02 . Header boxes; End plates [2006.01]	654		• 6	KR1020160033030A	EGR COOLER WITH A BODY SHELL MADE OF PLASTIC RESIN AND ASSEMBLING METHOD THEREOF	HANON SYSTEMS 한은시스템 주식회사	아후자, 쿠날 스리바스타바, 프라딥	24 Aug 2015	25 Mar 2016
	B60H ARRANGEMENTS OR ADAPTATIONS OF HEATING,	430		• 7	AU2001259388A1	EGR valve apparatus	COOPER-STANDARD AUTOMOTIVE, INC.	HOLDEN, JERRY L. VAMVAKITIS, DIMITRI L.	03 May 2001	31 Jan 2002
	B60H1/22 . the heat being derived otherwise than from the propula	417					HANON SYSTEMS	VAUGHAN, RICHARD J.		
	B60H3/00 Other air-treating devices			• 8	KR101527844B1	Combining Structure for Fan Shroud	한은시스템 주식회사	심호창 남현우	21 Sep 2009	10 Jun 2015
	[2006.01]	391		• 9	KR101278809B1	Electric motor-driven compressor	한은시스템 주식회사	김홍민 정수철 임권수 +2	03 Jun 2011	25 Jun 2013
	F04B25/04 . having cylinders coaxial with, or parallel or inclined to, n	381		• 10	KR1020110085263A	RADIATOR	한은시스템 주식회사	한지훈 조병선 최문석 +5	19 Jan 2010	27 Jul 2011
		More		• 11	KR1020140028934A	SHROUD	한은시스템 주식회사	박대석 권용성	31 Aug 2012	10 Mar 2014
Ap	plication Year	~		• 12	2 KR1020100067151A	A HEAT EXCHANGER EQUIPPED WITH COLD RESERVING	한은시스템 주식회사	권대복 김스라 오광헌	11 Dec 2008	21 Jun 2010
Sta	ndardized Assignee	~		• 13	KR101528007B1	BATTERY COOLING APPARATUS FOR VEHICLE	한은시스템 주식회사	김병주 정동미	17 Sep 2012	10 Jun 2015
Gro	ouped Assignee Name	~		• 14	KR1020110031820A	COMBINING STRUCTURE FOR FAN SHROUD	한온시스템 주식회사	심호창 남현우	21 Sep 2009	29 Mar 2011
Std	Assignee Type	~		• 15	6 KR1020140083710A	ELECTRIC CLUTCH FOR POWER DELIVERING DEVICE	한은시스템 주식회사	남궁규 정석제	26 Dec 2012	04 Jul 2014
Aut	hority	~		• 16	KR101528237B1	Shroud	한은시스템 주식회사	박대석 권용성	31 Aug 2012	11 Jun 2015
Rat	ant Turne			• 17	KR101528231B1	structure of header tank and adhering matter	한은시스템 주식회사	LEE, DUCK HO	10 Mar 2009	11 Jun 2015
	o			• 18	KR1020130126818A	SWASH PLATE TYPE COMPRESSOR	한온시스템 주식회사	윤영섭 송세영 신정식 표	27 Apr 2012	21 Nov 2013
CP	С.			• 19	KR1020140037351A	BATTERY COOLING APPARATUS FOR VEHICLE	한은시스템 주식회사	김병주 정동미	17 Sep 2012	27 Mar 2014
LO	c	~		• 20	KR1020100101793A	STRUCTURE OF HEADER TANK AND ADHERING MATTER	한은시스템 주식회사	LEE, DUCK HO	10 Mar 2009	20 Sep 2010
Pul	blication Year	~		• 21	KR101528226B1	Radiator	한은시스템 주식회사	한지훈 조병선 최문석 +5	19 Jan 2010	11 Jun 2015

Tracking Competitors Using Workspaces

You can track competitors using Workspaces by making use of automatically updating folders and email alerts.

There are two different types of Workspace folder, those being "Automatic Update" and "Static" folders and these two cases will need to be considered separately.

1. AUTOMATIC UPDATE FOLDERS

To create an Automatic Update folder from the search results page, firstly you need to save your results to a Workspace which can be done by clicking on "Save to Workspace" in the top-right of the page. To then make it an Automatic Update folder, you need to click on the "Automatic update" tickbox. You can also check your search query by clicking on "Advanced options".

III. Anar	vze Landscape								e to workspace
1,245 tota	Publication Number	Title	Assignee Name	1	nventor Name	Application Date	Publication Date	Current Assignee	= •
• 1	US20170167795A1	RADIATOR AND CONF	Save to Workspace	1	E YONG WAN	01 Sep 2015	15 Jun 2017	HANON SYSTEMS	
• 2	US9822880	Watertight seal design i and valve	Save all patents (1,243)	Automatic upda	te RT	12 Sep 2014	21 Nov 2017	HANON SYSTEMS	
• 3	US9825615	Method for operating at refrigerant compressor electrolyte capacitors	Article Workspace (256)	~	IDER, GANGOLI MARIO KS. STEFAN	- 03 Jul 2013	21 Nov 2017	HANON SYSTEMS	
• 4	US20170131038A1	RADIATOR FOR VEHIC DESIGN	 Nintendo (22498) test (3) 	~	IANN, CHRISTIA IL, JOSEF IANY, DANIEL	N 11 Nov 2016	11 May 2017	HANON SYSTEMS	
• 5	US9656535	Method for operating an vehicle	HANON SYST (0)	^	PETER DEDER, DIRK ER, HANS +1	17 Sep 2013	23 May 2017	HANON SYSTEMS AUDI AG	
• 6	US20160167477A1	AIR CONDITIONER FC	HANON SYST US (0) HANON SYST ROW (0)		IN KEUN E WOO AE DONG +1	14 Dec 2015	16 Jun 2016	HANON SYSTEMS	
• 7	US20170363241A1	CONNECTOR	At Recon Tobacco (9303)		R, ERIC WILLIAM A, KASTRIOT	1 30 Aug 2017	21 Dec 2017	HANON SYSTEMS	
• 8	US9777878	Connector	R. Now Mortenana (63)	Advanced option	R, ERIC WILLIAM	1 31 Aug 2012	03 Oct 2017	HANON SYSTEMS	
• 9	US9844997	Air conditioner for vehic	Save to Workspace Cance	el	SEUNGHO DAEKEUN D.+3	08 May 2015	19 Dec 2017	HANON SYSTEMS	

Folde	HANON SYST US (1243) HANON SYST ROW (11394) HANON SYST ROW (11394)	Note fi betwee Static Autom folder To crea Update button	rom the image bel en an Automatic U folder. (The clock- natic Update folder symbol for a Station ate an email alert f e folder, firstly click found within the f	ow, the difference pdate folder and a like symbol for an and the normal c folder). from an Automatic on the "Email Alert" folder.
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HANON SYST US ((11394) # Publication Nu Title	Assignee	Name Inventor Name	Save to Workspace(D Comments
4	O O	HANON	HAN, JEONG WAN KIM, JAE YONG KIM, HYUK +	1 26 Jun 2018
+ Expand + New folder	Manage Anage Constraints of the search of	HANON	SPROULE, MICHAEL HERBERT	26 Jun 2018
	• 3 US9825615 Method for operating an inverter of an electrical refrigerant compressor in connections	making use of DC link electrolyte HANON	SCHNEIDER, GANGOLF LENZ, MARIO TYDECKS,	STEFAN 26 Jun 2018
	• 4 US20170131038A1 RADIATOR FOR VEHICLE / COMBO COOLER FIN DESIGN	HANON	HOFFMANN, CHRISTIAN MAHDAL, JOSEF	26 Jun 2018
	• 5 US9656535 Method for operating an air conditioner for a motor vehicle	HANON	HEYL, PETER SCHROEDER, DIRK HAMMER, HAN	S +1 26 Jun 2018
	• 6 US20160167477A1 AIR CONDITIONER FOR VEHICLE	HANON	KANG, IN KEUN KO, JAE WOO EOM, SAE DONG	+1 26 Jun 2018
	• 7 US20170363241A1 CONNECTOR	SYSTEMS	KESLER, ERIC WILLIAM SHASKA, KASTRIOT	26 Jun 2018
	8 US9777878 Connector	SYSTEMS	DAVIS, JR., ANTHONY +1 KESLER, ERIC WILLIAM SHASKA, KASTRIOT	26 Jun 2018
		SYSTEMS	DAVIS, JR., ANTHONY +1 BAEK SELINGHO PARK DAEKELIN LEE HO +3	26 Jun 2018
		SYSTEMS		T0 14 26 km 2040
		E HANON SYSTEMS	SOMINORSI, LEO GRAINGER, JAMES FABIAN, PE	20 JUI 2018
	ONDITIONING SYSTEM FOR MOTOR VEHICLES	HANON SYSTEMS	JUNG, JAE HWAN KONG, TAE YUN KIM, IN HYEO	26 Jun 2018
	12 US20160138610A1 FAN SHROUD ASSEMBLY	HANON SYSTEMS	JUNG, WOO YOUL LIM, CHA YOU KWON, YONG S	UNG +1 26 Jun 2018
	• 13 US20170341489A1 ELECTRIFICATION APPARATUS FOR ELECTROSTATIC DUST COLL	ECTOR HANON SYSTEMS	JEE, YONG JUN PARK, JI YONG	26 Jun 2018
	• 14 US20180086177A1 EFFICIENT TRANSFER OF HEAT TO PASSENGER CABIN	HANON SYSTEMS	AGATHOCLEOUS, NICOS MEYER, JOHN	26 Jun 2018
	15 US20170167764A1 OIL MANAGEMENT IN A REFRIGERATION SYSTEM - COMPRESSOF INTO GASCOOLER	R OIL COOLER INTEGRATED HANON SYSTEMS	DURRANI, NAVID SPIES, TONI ZENS, DANIEL +	7 26 Jun 2018
Email Al	ert	Send to	Jwhitton@patsnap.com (myself)	ip com aishaque@patsnap com
Folder (H/	ANON SYST US)			
1243 record	ds in total			
Title	HANON SYST US updates		 Tick this box to confirm you have whose details you are providing 	e the consent of the individual us with.
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II 🔍				
New patent			Alert when there are no update	
 Legal status 		Up to 1	,000 records will be included in the er	nail attachment
Family	(Alert when new members are added to the family.)	Email A	lerts are set to be sent at 3:00 PM (G	iMT+8)
Citation	(Alert when patents receive new citation.)			
Expiration	(Alert when patents have been expired)		Submit	Cancel
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Comments	עשטו אווטו עוסיס פוס ווכש כטוווווסונג טו עמולוונג.)			

In the email alert menu, you can then rename your alert, select the specific types of alert that you would like to receive, choose the recipients of the email alert and decide upon the frequency of the email alerts.

2. STATIC FOLDERS

To set up an email alert for a Static folder it firstly needs to be turned into an Automatic Update folder.

To do this, go to the "Automatic Update" option within the folder, turn "Automatic Update" On and type the search query associated with this folder in.

K 🔄 HANON SYST	Ø Settings		Invite your colleagues to cooperate and review together +Share
Folder Refine	TOldest Added	► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ►	Assign to Automatic Update Custom Field +
ANON SYST US (1243)	Select page Select all		1 - 50 records, 94 records in total (11394 / 20,000)
HANON SYST ROW (11394)	Publication Num Title	Automatic Update 📈 🗙	Save to Works, ce(D Comments
+Expand +New folder Manage	● 2 KR1020160041370A 발명의 명정 열금	171 Automatic Update On Off	26 Jun 2018
	■ ● 3 KR1020160033838A 발명의 명칭 자량	Selected all databases 11394 / 20000	26 Jun 2018
	e 4 KR1020160043405A 발명의 명칭 압축기의 리아 (AN:(HANON SYST) OR ANS:(HANON SYST) OR ANC:(HANON SYST) OR ANCS:	(AN:(HANON SYST) OR ANS:(HANON SYST) OR ANC:(HANON SYST) OR ANCS:	26 Jun 2018
	■ ● 5 KR1020160024328A 발명의 명칭 원심	(HANON SYST)) NOT PN:US*	용 KEON, DAE BOK 권대적 26 Jun 2018 1 +2
	■ ● 6 KR1020160033030A 발명의 영정 합성 조립방법	和利用 當	프라임 26 Jun 2018
	• 7 AU2001259388A1 EGR valve appar		AKITIS, DIMITRI L. VAUGHAN, RICHARD J. 26 Jun 2018
	■ ● 8 KR101351780B1 발명의 명칭 공기 장장지	Stamming On COT	26 Jun 2018
	■ ● 9 KR1020140001340A 발명의 명칭 자랑	Preview	26 Jun 2018
	• 10 DE112015000326T5 Kühler- und Kond	All existing and new results -	10K KIM JAE YONG +1 26 Jun 2018
	• 11 W02016036109A1 RADIATOR AND	NONDEN * You can store up to 20000 patents in each folder	AE YONG KIM, HYUK +1 26 Jun 2018
	🗐 • 12 KR101764579B1 발명의 명칭 라디	IOIEI R * Updates are run weekly.	26 Jun 2018
	🗐 • 13 KR1020160026802A 발명의 명칭 라디	* Deleted patents will not be added back.	26 Jun 2018
	• 14 BR112016012419A2 conjunto de radia	lor e con Submit Cancel	I JEONG WAN HAN +1 26 Jun 2018
	• 15 W02018106042A1 AIR CONDITION	NG DEVI	NG SEOK LEE, JEONG JAE +4 26 Jun 2018
			26 Jun 2010

The procedure to create an Email Alert from here is identical as to that of an Automatic Update folder.

Tracking Competitors Using A Search Query

If you feel that the procedure of creating an email alert from a Workspace folder is too long-winded then it is possible to create them directly from the search results page instead.

You can do this by going to the "Email Alert" button within the search results page.

It should be noted that this type of email alert should only be used when you are considering the competitor's overall portfolio (i.e. not legal status changes or new family members) since this email alert only considers "New Patents". Therefore, in general, we recommend that you use Email Alerts from an automatically updating Workspace folder instead.

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12		al records 🚯 Copy qu	Jery						м	ost Relevant 🧙 50 🗸 🗧	≡ ~ ⊅
6) #	Publication Number	Title		Assignee Name	Inventor Name		Application Date	Publication Date	Current Assignet	
) • 1	KR1020160023947A	AIR CONDITIC	NER FOR VEHICI	.E HANON SYSTEMS 한운시스템 주식 회사	KIM, TAE WAN 김태 KONG, TAE YUN 중	태완 공태윤 이형 +3	21 Aug 2014	04 Mar 2016	HANON SYSTEM - 한운시 스템 주식회사	
E	• 2	KR1020160041370A	Heat exchan	Email Ale	rt 🕤	×		07 Oct 2014	18 Apr 2016	HANON SYSTEMS 한은시 스템 주식회사	
E	• 3	KR1020160033838A	Heat pump s	(HANON SYST)	on updates to patents in search query: "((AN:(HANON SYS OR ANC:(HANON SYST) OR ANCS:(HANON SYST)))"	T) OR ANS:	영호	18 Sep 2014	29 Mar 2016	HANON SYSTEMS 한운시 스템 주식회사	
	• 4	KR1020160043405A	Rear head of	Title	HANON SYST Updates			13 Oct 2014	21 Apr 2016	HANON SYSTEMS 한운시 스템 주식회사	
) • 5	KR1020160024328A	Device for co compressor	e for co ressor Send to	☑ jwhitton@patsnap.com (myself)	an a	NG 박	25 Aug 2014	04 Mar 2016	HANON SYSTEMS 한온시 스템 주식회사	
					L jbritton@patsnap.com × L alai@patsnap.com ×	12	권대복				
					▲ aishaque@patsnap.com ×)K 소성				
) • 6	KR1020160033030A	EGR COOLE PLASTIC RE THEREOF		Tick this box to confirm you have the consent of the i whose details you are providing us with.	ndividual	믭	24 Aug 2015	25 Mar 2016	HANON SYSTEMS 한은시 스템 주식회사	
E) • 7	AU2001259388A1	EGR valve a	Frequency	Weekly 💌 Monday	-		03 May 2001	31 Jan 2002	Hanon Systems	
6) • 8	KR101351780B1	A cooling and vehicle which		Send an alert even when there are no updates			19 Sep 2007	14 Jan 2014	한온시스템 주식회사	
6	• 9	KR1020140001340A	BLOWER FO		ouncer	č	한욱 +2	26 Jun 2012	07 Jan 2014	한온시스템 주식회사	

Tracking Competitors Using Landscapes



You can also track competitors by making use of our Landscape feature.

To do this, first select the criteria you want to use for the Landscape.

Once you have done this, select a cluster of specific Landscape grids by clicking on the "Select Grid(s)" option.



After this, click on the option of "View Patents" to view the patents in a list and select the option of "Add to Workspace" to add these patents to a Static folder.



However, we recommend that you that you instead save each of the new Landscape you create by selecting the different grids and then share those sub-Landscapes with other members of your team.

To save a Landscape, go to "Save" in the bottom-right of the screen and you can then find the saved Landscape by going to "My Landscape" in the top-left of the screen.



From the "My Landscape" area, you are then able to share your Landscape by clicking on the share option for a Landscape and typing in the email addresses of your colleagues and clicking on "Add".

My Landscape Shared	with me		
New Landscape	HANON SYSTUS	Toot	
	a few seconds ago	In Share to Account Enter PatSnap Account A aishaque@patsnap.com alai@patsnap.com jbritton@patsnap.com	Add

The initial Landscape will automatically update based on the criteria you set up for it each time you access the platform.

Tracking Competitors Using Insights

The last method you can use to track competitors using PatSnap is by making use of our Insights platform.

To do this, first, click on the settings cog on the "Competitor Tracking" tool found on the right of the Insights homepage.

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Create Dashboards		7 -	<u>_</u> -	$\underline{\aleph}$
Company Technology	Pate Valu	nt Lit ie T	tigation Threat	Litigation History
My Custom Groups	Ë	<	E IIII	
Company (0/5) No. of Patents 🕕 Options	Territe Landso	Si Dry Si Cape A I	mulate Merger	Portfolio Pruning
Enter one company for company dashboard Enter two or more companies for competitive dashboard	Licens	see		
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My Dashboard News Type: New Patent Litigation Licensing	June 2018	\$63, \$1,7	628 90.006	
New Patent in TAC:("car" OR "automobile" OR "driving vehicle" Dashboard	2019	\$3,6	90,174	1
NEVIS IND has a new patent application WO2018112191A2 Date Published: 2018/06/21				_1
SIDE FRAME FOR A RAILWAY TRUCK AND METHOD FOR MANUFACTURING SAME A side frame used in a railway car truck that has localized areas of increased strength and method of manufacturing the side frame. The side frame is manufactured with a plurality of risers positioned at various locations on the same side wall be an.	Com	ipany T	Trackir	ıg 🧔
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VISA INC. has a new patent application WO2018112133A1 Date Published: 2018/06/21		New Pate New Litiga	nts ation Cases nsing Deals	
ALARM ACCESS OVERRIDE A property alarm, such as home alarm or car alarm, is analyzed for the nature of the alarm and when indicated causes access to one or more financial instruments to be limited or put on hold. Alarms for		- 1101 200	using pools	



From here you can type in up to 5 companies that you want to track and select the tracking period you want to consider.

This will then create a company dashboard based on this company's patenting activity in the last year. From here, you can go to "Latest Info" within the "Portfolio Analysis" area to see the latest info on this company's patenting activity. You can also set up an email alert for this company by hovering over the envelope icon and setting "Subscribe latest info" to On which will enable you to get weekly updates of news in relation to "New Patents", "Litigation" and "Licensing" for this company.



Finding Your Alerts

It is also important to be able to easily find your email alerts so that you can check exactly what you have set up and you can also make changes to them here.

To go to the Alert area, click on your initial in the top-right of any page within Analytics and click on the option of "Alert".



From here, you will see the specific types of email alerts you have set up, recipient email addresses, the total number of patents associated with the Alert, and its current status. You can switch an Alert On or Off by selecting the switches situated under the "Status" column heading; change specific criteria and recipients by hovering over the rightmost cell and selecting the pencil icon; and you can also delete alerts by clicking on the dustbin icon also situated here.

Alert/Type	Count	Send to	Status	Frequency	Last alert	Next alert	
HANON SYST Updates New patent	8,711	jwhitton@patsnap.com(myself)		Send on every Monday	02 Jul 2018	09 Jul 2018	× ±
STING AGONISTS New patent	189	jwhilton@patsnap.com(myself)		Send every day	05 Jul 2018	06 Jul 2018	
Car New patent	2,142,700	jwhitton@patsnap.com(myself)		Send on every Sunday	01 Jul 2018	08 Jul 2018	
VODAFONE 1 New patient Legal status Family Citation Expiration Liligation Licensing Comments	8,659)whitton@patsnap.com(myself)	Error 👩	Send on every Monday	19 Mar 2018	Inactive	
VODAFONE New patient Legal status Family Citation Expiration Litigation Licensing Comments	8,623	jwhitton@patsnap.com(myself)	Error 🚯	Send on every Monday	N/A	Inactive	
test 3 New patient Legal status Family Citation Expiration Liligation Licensing Comments	4	jwhitton@patsnap.com(myself)		Send every day	05 Jul 2018	06 Jul 2018	

< 1 >

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