

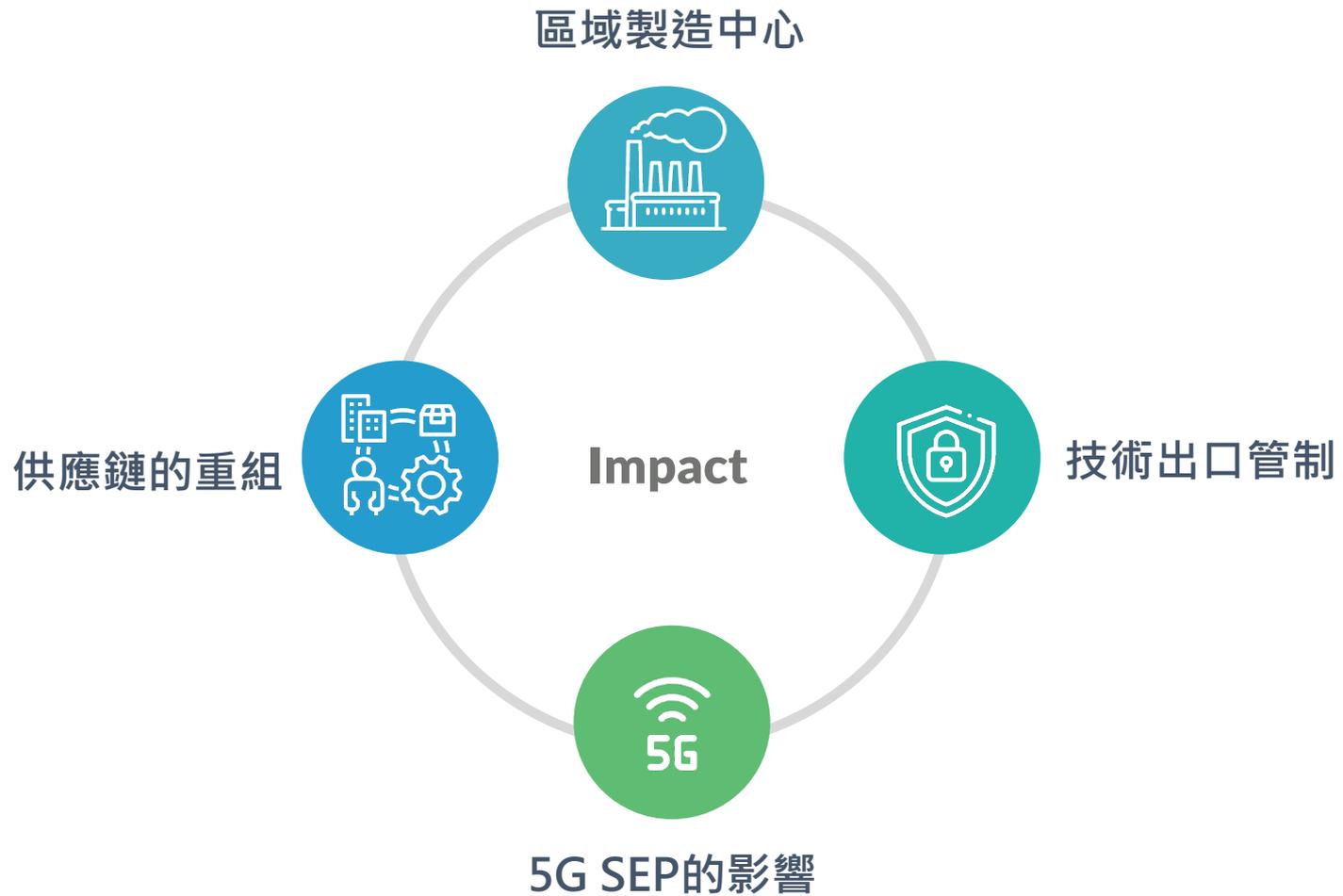


Decrypt Complexity

美中科技戰產業界的因應經驗探討 跨國專利資產運營的衝擊與調整

周延鵬

2020.11.11



5G SEP 的影響

若單純以 5G SEP 宣告數量來看，中國公司（華為、中興）遠大於美國公司（高通、英特爾）

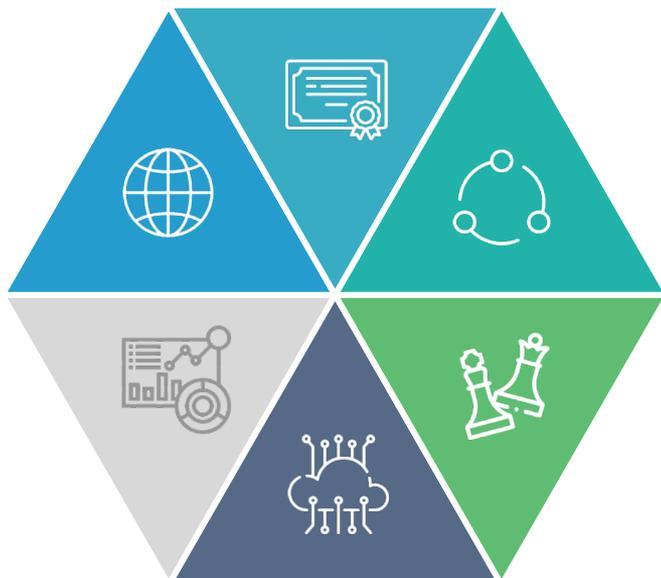
主要標準必要專利宣告公司

誰在宣告標準必要專利？夥伴或競爭者？





- ▶ 以母國為專利佈局的 **起始點** 與 **首要點**
- ▶ 以母國延伸到外國的 **專利品質及作業**
- ▶ 以 **防衛專利而非攻擊專利** 的專利運營
- ▶ 中國企業和科研機構的 **中國專利崛起**
- ▶ 中國專利行政與司法 **環境對外商影響**



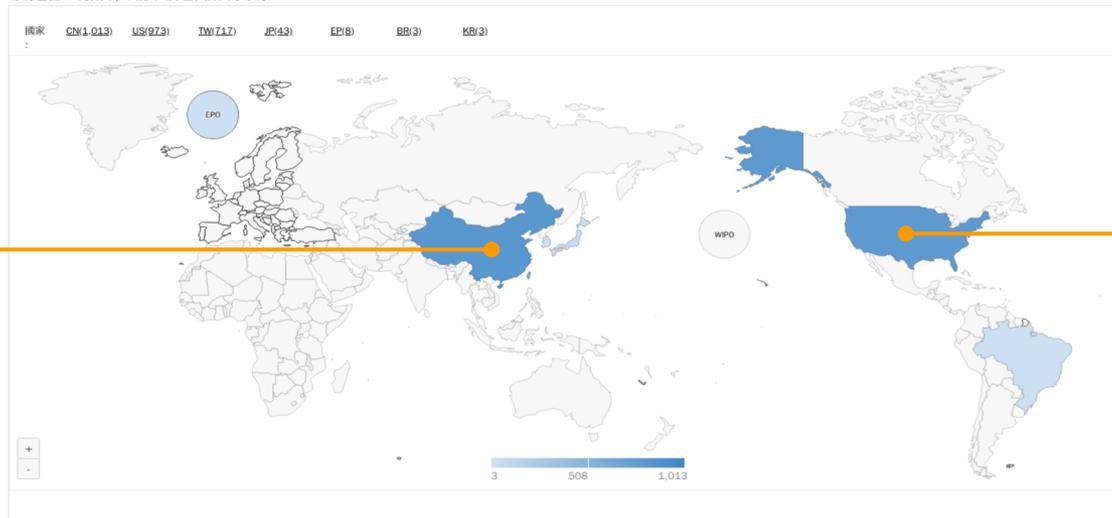
- 以**美中專利**作為佈局起始點與首要點
- 以**專利品質和價值**取代專利數量指標
- 以**專利組合**和**專利全生命週期**為基礎
- 以**攻擊專利**為指針進入貨幣化的市場
- 以**數據平台**為基礎運營專利資產組合
- 以**智能分析**為工具透析競爭者控風險

科技戰對跨國專利資產運營的策略與措施

- 以 **美中專利作為佈局** 起始點與首要點

大立光全球專利佈局

專利包含：有效中、申請中及已失效的專利。



Country	Patent Appl.	Legal Status		
CN	1,013	623	184	206
US	973	769	171	33

● Active ● Pending ● Inactive

- 以 **專利品質和價值** 取代專利數量指標



The screenshot shows a patent record for US9460624B2, which is marked as 'Active'. Below the patent number, there are several tabs: 'Quality: A', 'Value: A', 'Risk', and 'Rel...'. The 'Quality: A' and 'Value: A' tabs are highlighted with orange boxes. Two orange lines with circular endpoints point from these tabs to external text annotations. The first annotation, '專利品質 的高低，關乎是否具有可專利性或被無效', points to the 'Quality: A' tab. The second annotation, '專利價值 的高低，關乎是否易於被實施和貨幣化', points to the 'Value: A' tab. Below the tabs, the title of the patent is 'Method and apparatus for determining lane identification in a roadway'. There are also tabs for 'Full Text', 'Simple Family', 'Extended Family', 'Citations', and 'History'. The 'Full Text' tab is selected, and the abstract is visible below it.

專利品質 的高低，關乎是否具有可專利性或被無效

US9460624B2 Active

Quality: A Value: A Risk Rel...

Method and apparatus for determining lane identification in a roadway

Full Text Simple Family Extended Family Citations History

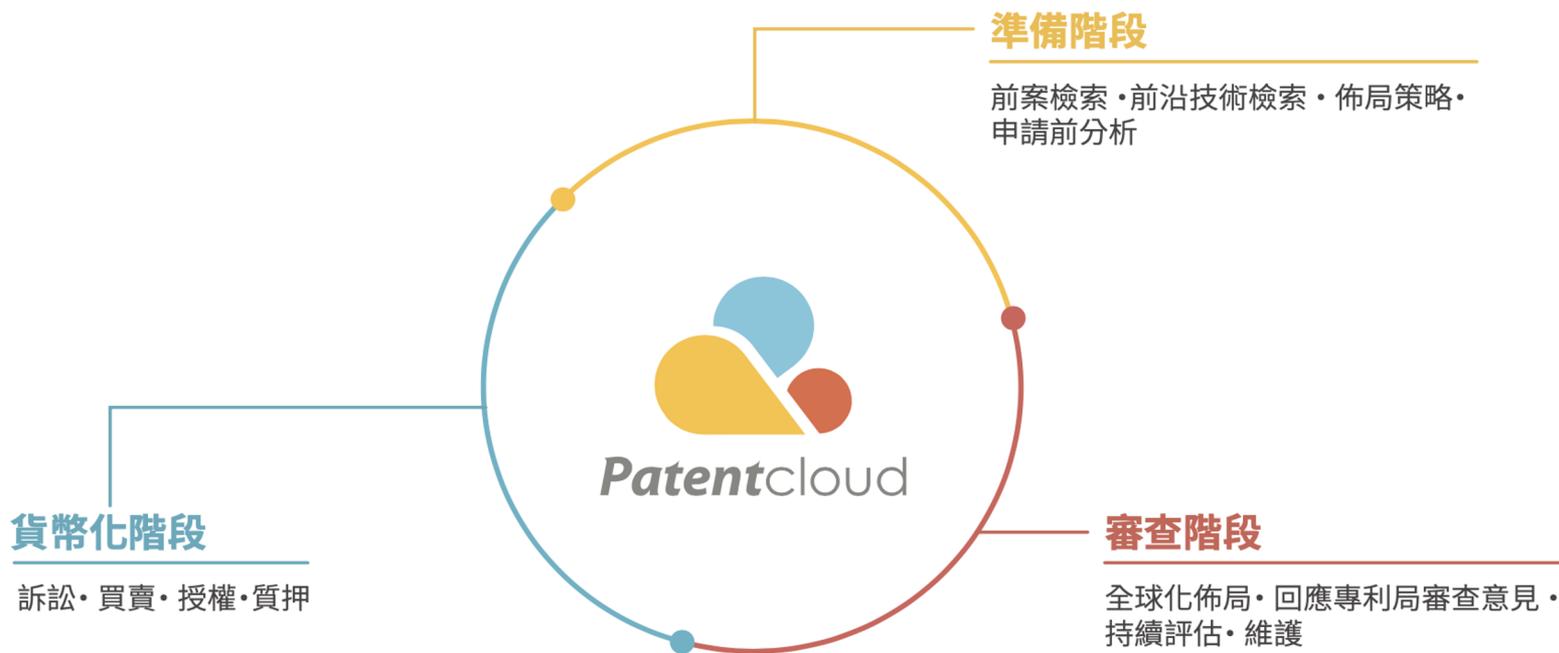
Abstract

A method and apparatus for determining a lane identity of a vehicle travelling in a roadway where the roadway contains a plurality of lanes is determined based on information from sensors associated with the vehicle and map data for detecting the lane marker type to a left side and right side of the vehicle, any lane crossings during travel of the vehicle along the roadway, a history of lane marker type up to a predetermined travel distance along the roadway, and the lane marker type at the instantaneous position of the vehicle in the roadway. The lane identity method and apparatus outputs a confidence belief identifying the probability that the vehicle is traveling in one particular lane of the roadway.

專利價值 的高低，關乎是否易於被實施和貨幣化

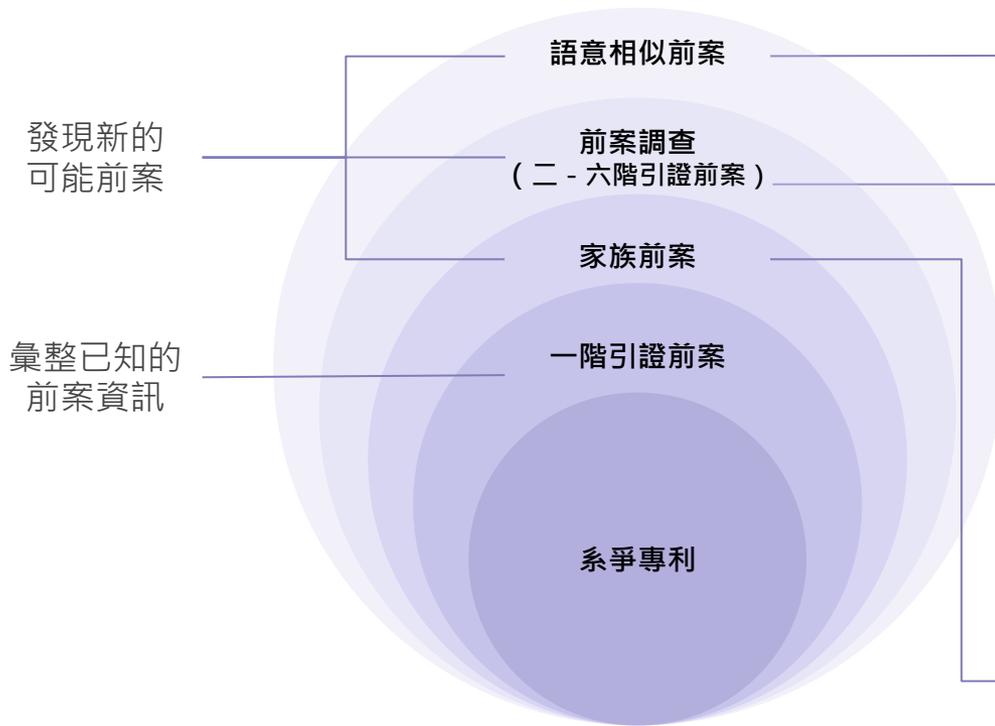
科技戰對跨國專利資產運營的策略與措施

- 以 **專利組合** 和 **專利全生命週期** 為基礎



科技戰對跨國專利資產運營的策略與措施

- 以 **攻擊專利** 為指針進入貨幣化的市場



#	Patent No.	Title	Legal Status	App. Date	Pub./Exam Date	Assignee/Invt.	Applicability
1	US20120280A	Dual use speaker for both voice commu...	Patent - Granted	1995-10-15	2000-03-15	EPSONSON INC	Not Applicable
2	US200810261	Mobile telephone ringing method	Patent - Granted	1995-10-27	2005-01-19	SAGEM SA	Not Applicable
3	JPH09-080830A	EXTERNAL RINGER DEVICE, RINGING T...	Abandoned	1995-07-21	1997-03-27	CANON KK	(Patent & 1079)
4	JPH11-001038A	MOBILE PHONE UNIT AND IT CALL SOUN...	Abandoned	1991-08-01	1999-02-26	TOHOKU KK	(Patent & 1079)
5	US5317602	Ringling circuit for use in a telephone set...	Abandoned	1990-02-23	1994-03-21	NEC CORP	(Patent & 1079)
6	JPH02-049953A	TALKPHONE SYSTEM	Abandoned	1991-08-20	1993-03-26	TOHOKU KK	(Patent & 1079)
7	WO1996027216A1	DUAL USE SPEAKER FOR BOTH VOICE ...	Patent - Granted	1997-10-15	1996-04-23	EPSONSON INC	(Patent & 1079)
8	EP0643380A1	DUAL USE SPEAKER FOR BOTH VOICE ...	Abandoned	1991-10-15	1999-10-08	EPSONSON INC	(Patent & 1079)
9	EP0466128A1	Ringling circuit and method for use in a p...	Patent - Granted	1991-01-31	1997-03-26	NEC CORP	(Patent & 1079)
10	US5333394	Ringling circuit for use in a portable telepho...	Abandoned	1991-01-31	1994-04-10	NEC CORP	(Patent & 1079)
11	US2008026200	RINGING CIRCUIT FOR USE IN PORTAB...	Patent - Granted	1991-01-31	1999-02-24	NEC CORP	(Patent & 1079)
12	EP0466128A1	Ringling circuit and method for use in a p...	Patent - Granted	1991-01-31	1991-03-27	NEC CORP	(Patent & 1079)
13	US20031259	Ringling circuit for use in a portable telepho...	Abandoned	1990-02-23	1994-04-09	NEC CORP	(Patent & 1079)
14	KR102000004426A	METHOD FOR VARYING RINGING SOUN...	Abandoned	1996-10-30	2000-07-15	SAMSUNG ELECTRONICS...	Not Applicable

First Degree Art: 17 | Second Degree Art: 45 | N Degree Art: 11

Extended forward/backward citations from the Second Degree Art | Ranked By: Legal Basis (9/102 796)

US5992930B2

#	Patent No.	Title	Legal Status	App. Date
1	US5857385A1	Method, system and devices for authentic...	Patent - Granted	1999-09-28
2	WO1996021320A2	IC CARD WITH SPELL FEATURE	Patent - Granted	1996-05-14
3	US200807015A	Method for accessing a portion of the dat...	Patent - Granted	1997-04-29
4	US2000005910A1	Methods and apparatus for a self-configu...	Abandoned Appl.	2000-09-24
5	US2011022856A1	METHOD OF MANAGING SEVERAL PRO...	Patent - Granted	2010-07-03
6	US2009027121A1	Method for Customizing the Operation of ...	Abandoned Appl.	2009-12-30
7	US2009015901A1	Virtual private communication devices and...	Abandoned Appl.	2009-12-08
8	US2009014628A1	SMART CARD, COMMUNICATION DEVIC...	Patent - Granted	2009-12-14
9	US2011028913A1	MOBILE COMMUNICATION DEVICE	Patent - Granted	2013-02-05
10	US2009094948A1	INTERFACING TRANSACTION CARD/VA...	Abandoned Appl.	2008-09-05

Single Family: 3 | Backward Citation: Patent: 21 | Backward Citation: Non-Patent Literature: 0

All References (21) | Applicable Only (21)

Novelty: 1 | Non-Obviousness (Inventive Step): 2 | Other Citations: 1

Total Number of Applications: 4

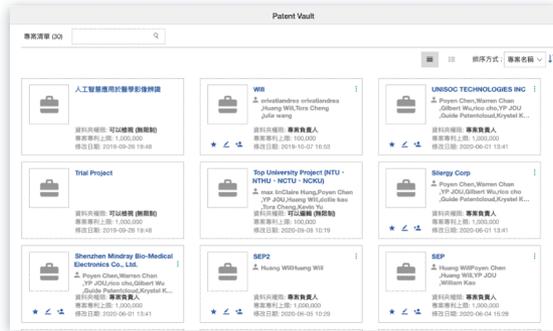
#	Patent No.	Title	Legal Status	App. Date	Pub./Exam Date	Assignee/Invt.	Applicability
1	US5331760A	Radio paging receiver having ring memo...	Patent - Granted	1990-03-03	1992-09-16	NEC CORP	(Patent & 1079)
2	US5995653A	Paper having time controlled functions	Patent - Granted	1988-01-07	1990-03-16	MOTOROLA INC	(Patent & 1079)
3	US20021035A	Toner control for telephone	Patent - Granted	1998-02-25	1999-03-09	SENEC VICTOR M	(Patent & 1079)
4	US590951A	Audio interface garment and communication...	Patent - Granted	1991-07-26	1998-10-08	INTERNAL RESEARCH CO...	(Patent & 1079)
5	JPH01-180244A	RADIO COMMUNICATION EQUIPMENT	Abandoned Appl.	1995-10-29	1997-07-15	NEC CORP	(Patent & 1079)
6	US5831791	Battery voltage alarm apparatus	Patent - Granted	1996-03-29	2001-07-17	FINANSKOJ OJDP	(Patent & 1079)

科技戰對跨國專利資產運營的策略與措施

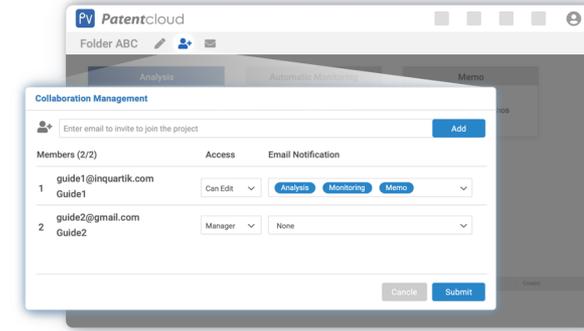
● 以數據平台為基礎運營專利資產組合

以中心化、可協作、可自訂之專利數據平台整合專利數據和團隊資源，打破組織隔閡

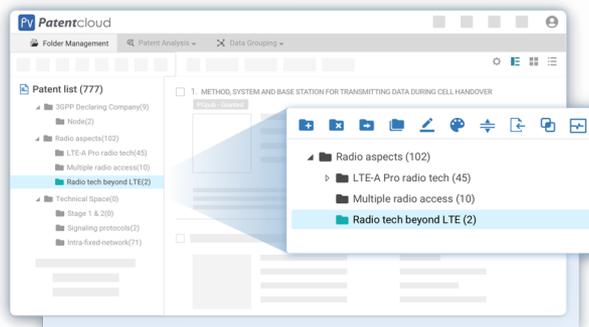
專案管理



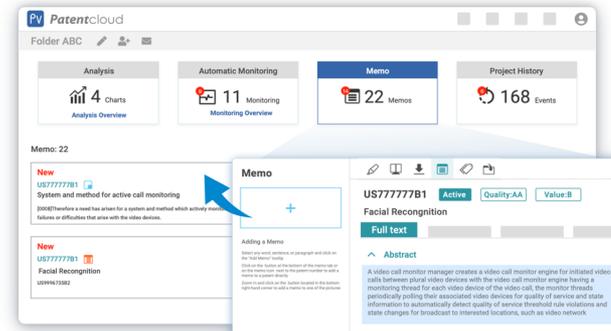
邀請協作對象



可自訂資料夾



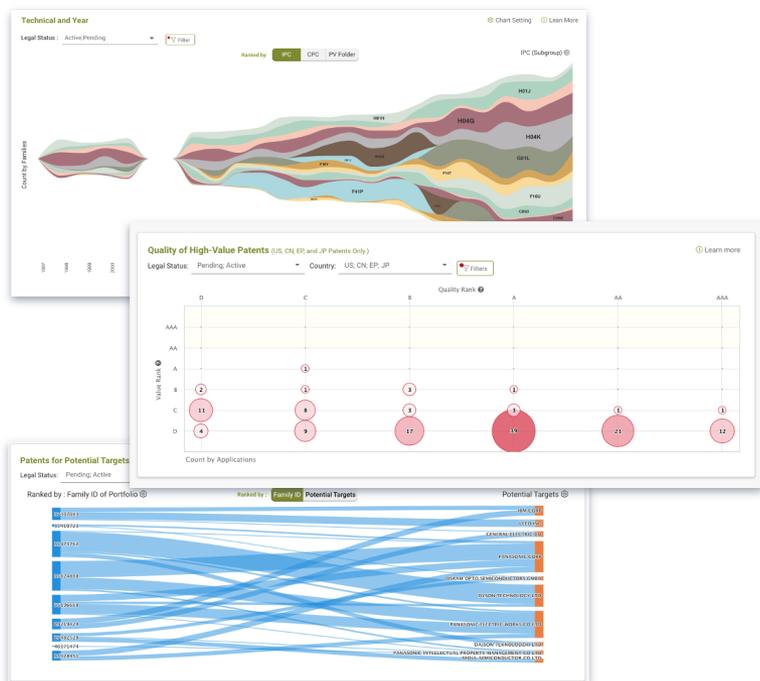
筆記分享



- 以 **智能分析** 為工具透析競爭者控風險

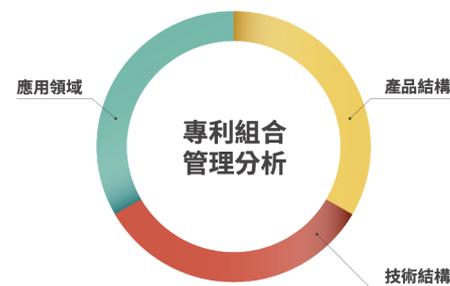
Due Diligence

七大類報表全面透析專利組合優劣



Patent Vault

專利矩陣儀表板 (PatentMatrix® Dashboard)
分析專利組合



	ISLA NP	TESLA	TESLA N...	SIEMENS...	BSST LLC	LICENTIA...	KONINKL...	LEUPOLD...	TESLA K...	GENTHE...	SIEMENS...	BIOTRON...	DEUTSC...	ADVAN
H01	300	73	4	2	1	6	5		3	4	2			4
H04	187	44	2	5		2	2				3			
H02	195	48	4	4		1	1		2				1	
G01	97	29	4	2		2								1
G11	30	8					1		1					3
H02	26	8	1	1					2					3
H05	30	4		2			1							
G08	33	1	1	1		1								
B29	28	3												
G06	14	6							1		1			
A61	9	1	1						1					5
G05	15	5	1					4						
F16	13	6		1										
G04	21					1								

電子資源取用連結



<https://reurl.cc/Q3NyLp>



Thank you

