



ROSPATENT
FEDERAL SERVICE FOR INTELLECTUAL PROPERTY

WIPO STANDARDS WORKSHOP ON BLOCKCHAIN

PLR : BLOCKCHAIN TECHNOLOGY

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FIPS Project Office – WIPO prequalified provider of patent analytics

7 powerful patent analytics systems

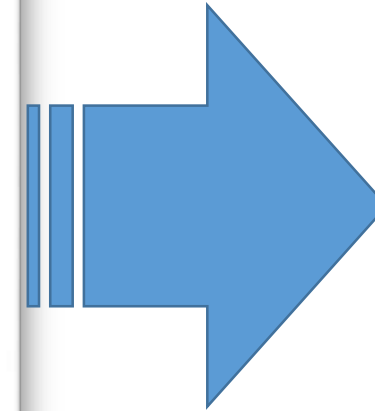
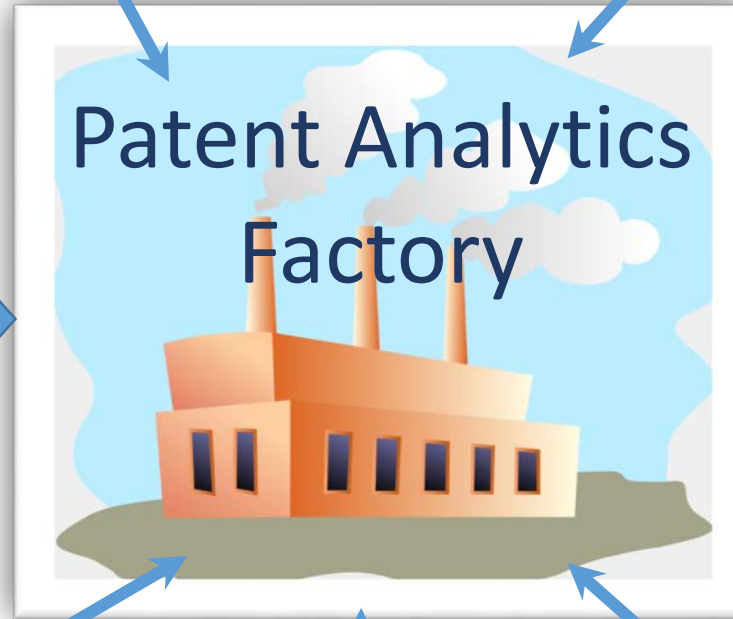
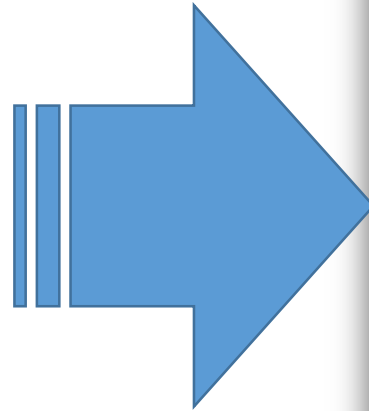
proprietary methodology of tech and business consulting

- ❑ technology and innovation development strategies
- ❑ 'go-to-market' strategies
- ❑ technological and business partners

worldwide patent information

scientific papers

internet



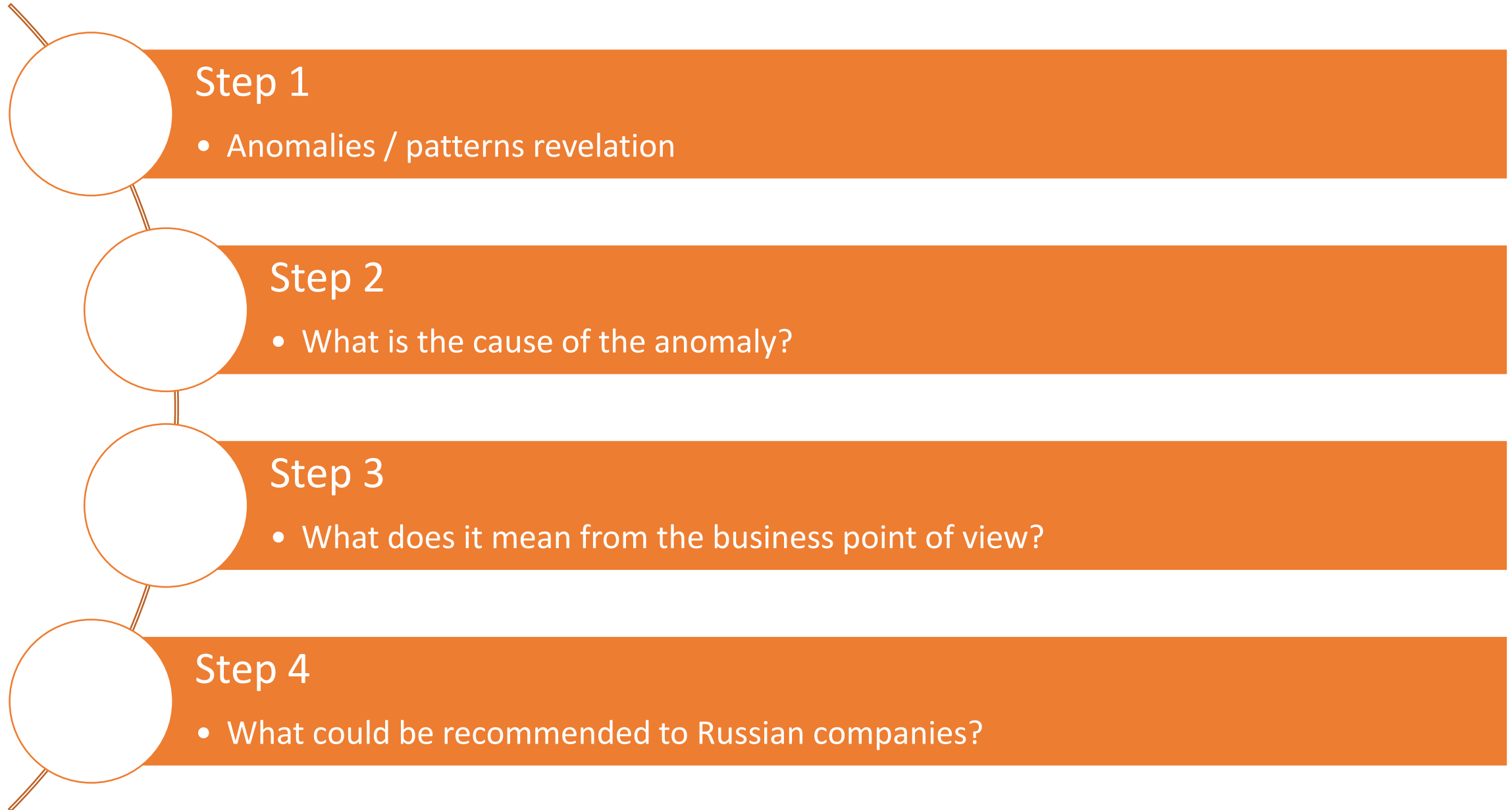
patent analytics professionals

patent examiners

business analysts

- ✓ *oil & gas*
- ✓ *transport (avia & railways)*
- ✓ *medicine*
- ✓ *chemistry*
- ✓ *ecology, water supply infrastructure*
- ✓ ...

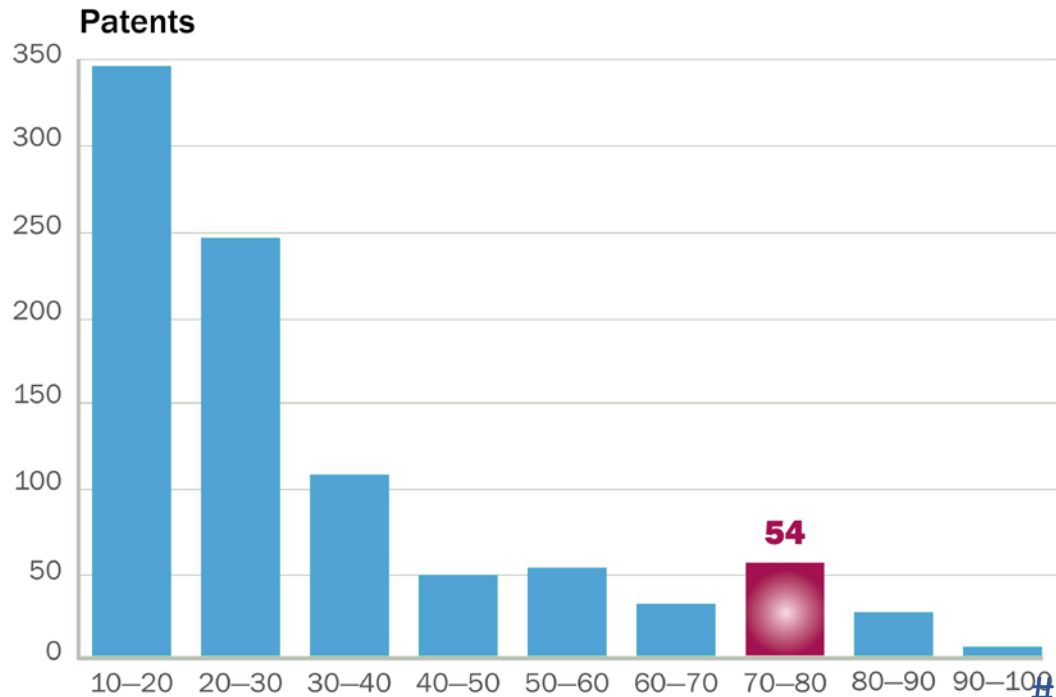
Brand-new concept. «Analytics-driven» research



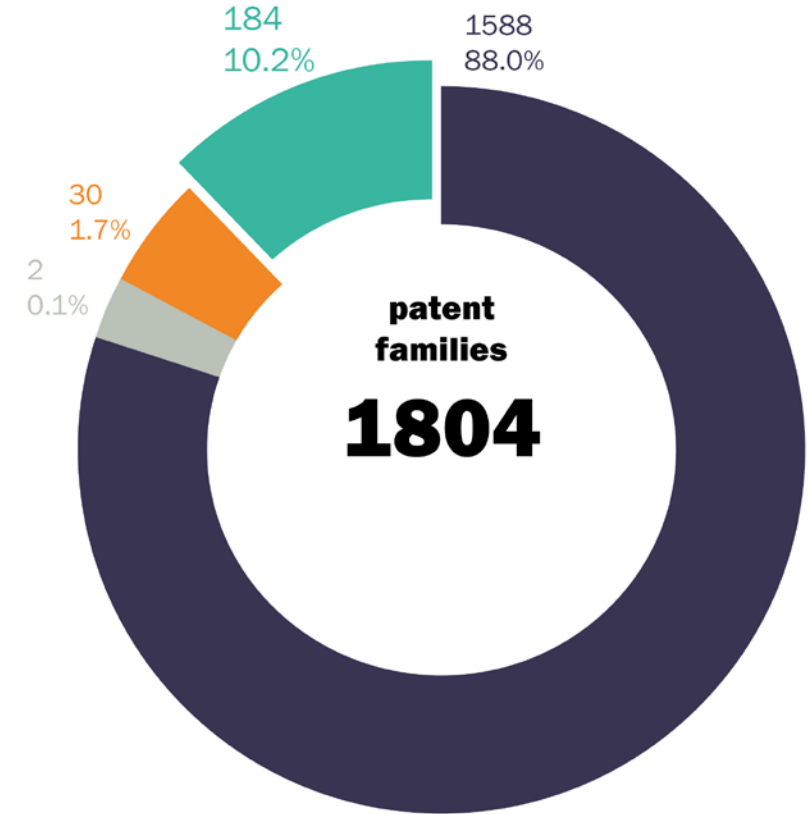
DEEP TECHNICAL ANALISYS OF BLOCKCHAIN TECHNOLOGIES

Extremely high rate of granted patents (10+% for 2 years) – a solid sign of high commercial potential of BT

Patent Value (Strength) Distribution



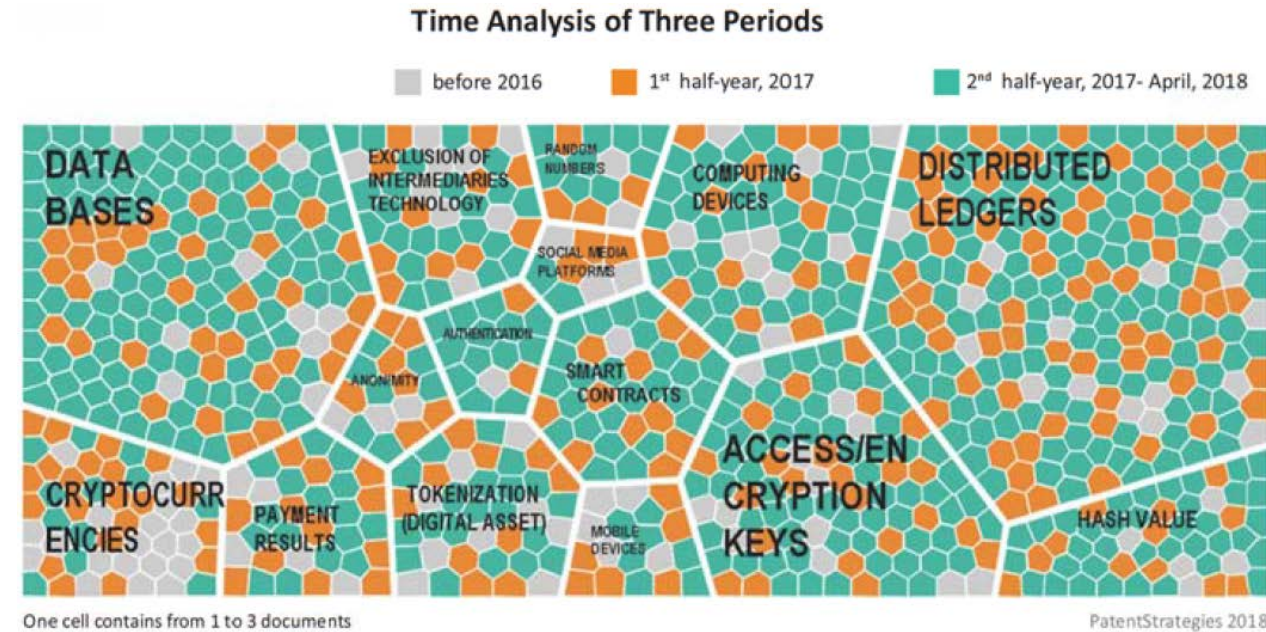
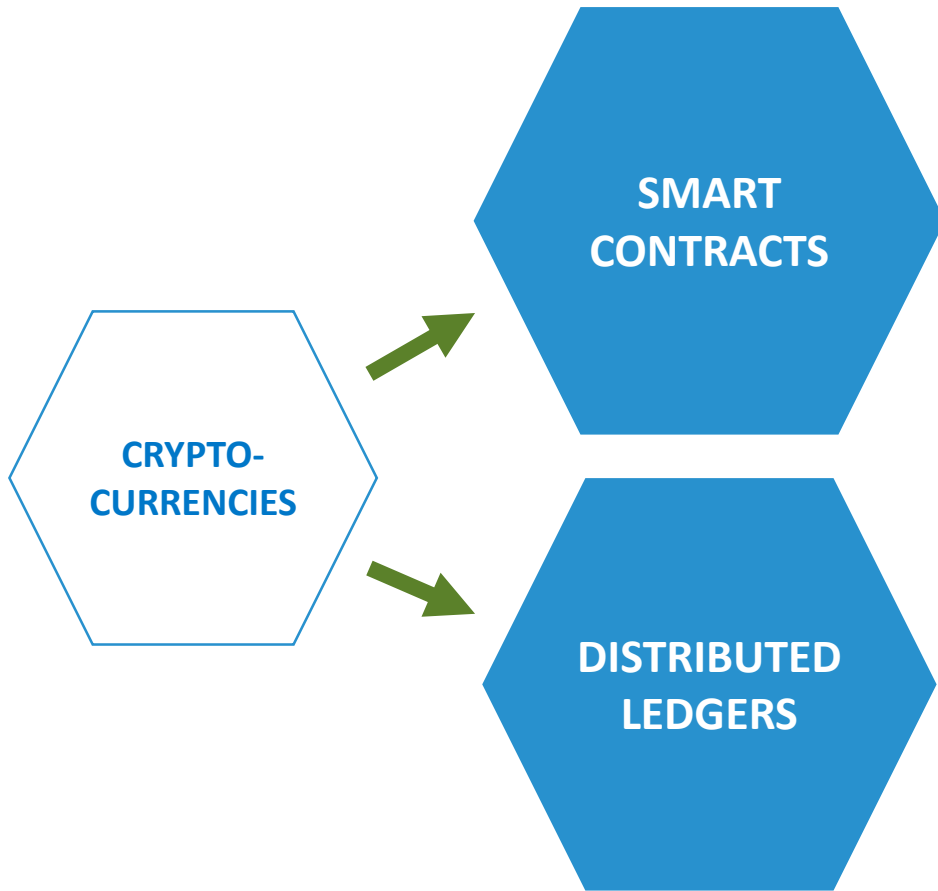
- Pending patent applications
- Application withdrawn
- Invalid
- Patent granted



The maturity and the potential of industry implementation are much higher comparing to other emerging technologies (AI, drones and so forth)

THE TRANSFER OF BLOCKCHAIN

The most emerging areas are
- «**Smart contracts**» and «**Distributed ledgers**»

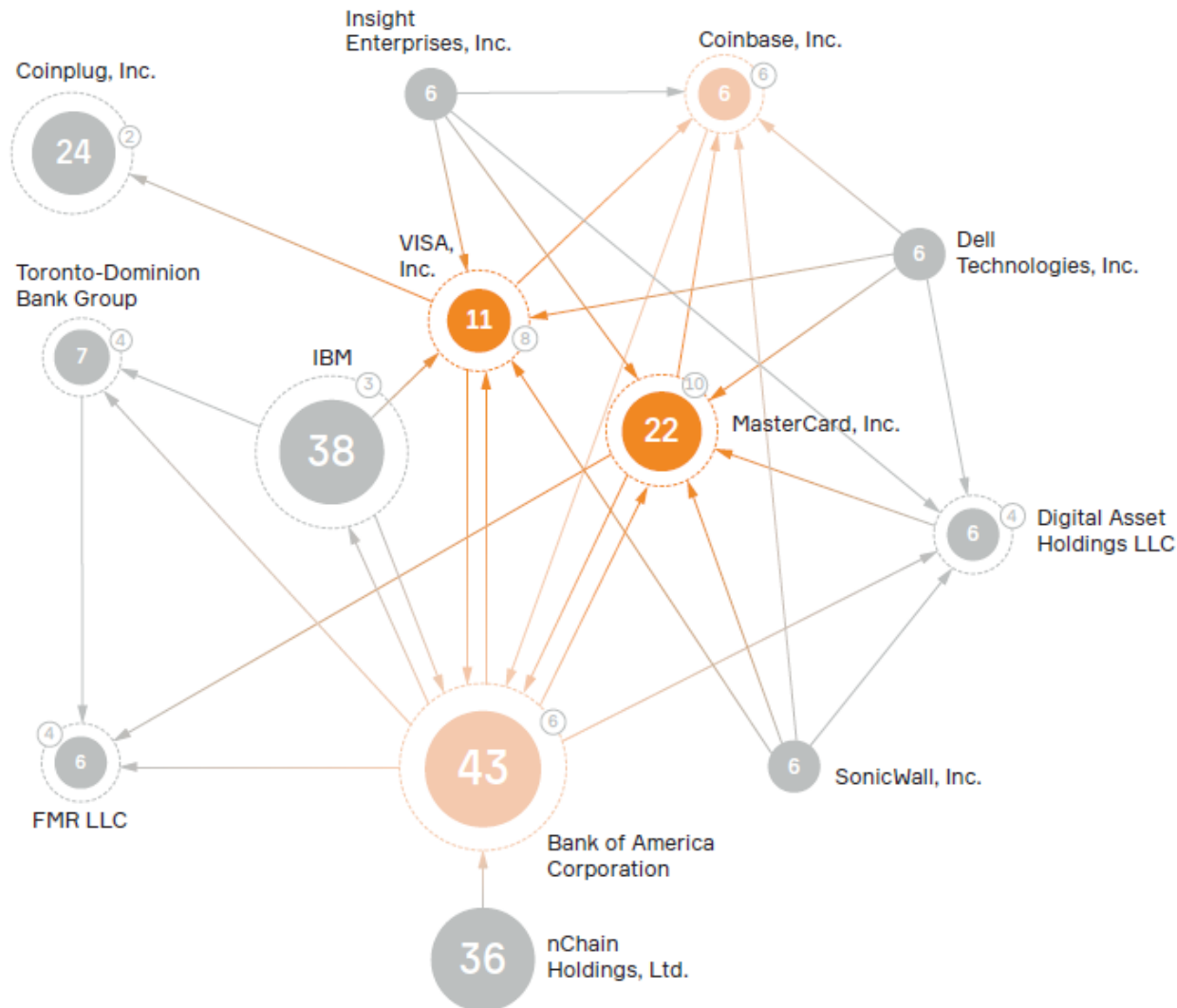


The leader's focus are changed from cryptocurrencies (*prior to 2016*) to smart contracts and distributed ledgers in 2018

The leading companies are focused towards BT-based corporate applications

All companies follow Visa

Цитирование правообладателей



There are two citation poles: Visa Incorporated and MasterCard Incorporated.

More detailed analysis of Visa patent documents revealed that the company has focused its efforts on patenting specific cases: finance, medicine, transport and so forth.

The use of the logic of “embedding” blockchain technologies in patenting solutions and methods led to a large number of citations of Visa patents and ‘follow-up’ applications of other companies.

The focus is on small blockchain companies

Рисунок 7

Число семейств патентов у компаний-лидеров в патентовании технологий блокчейн

■ >30 патентных семейств
■ 20–30 патентных семейств
■ 10–19 патентных семейств

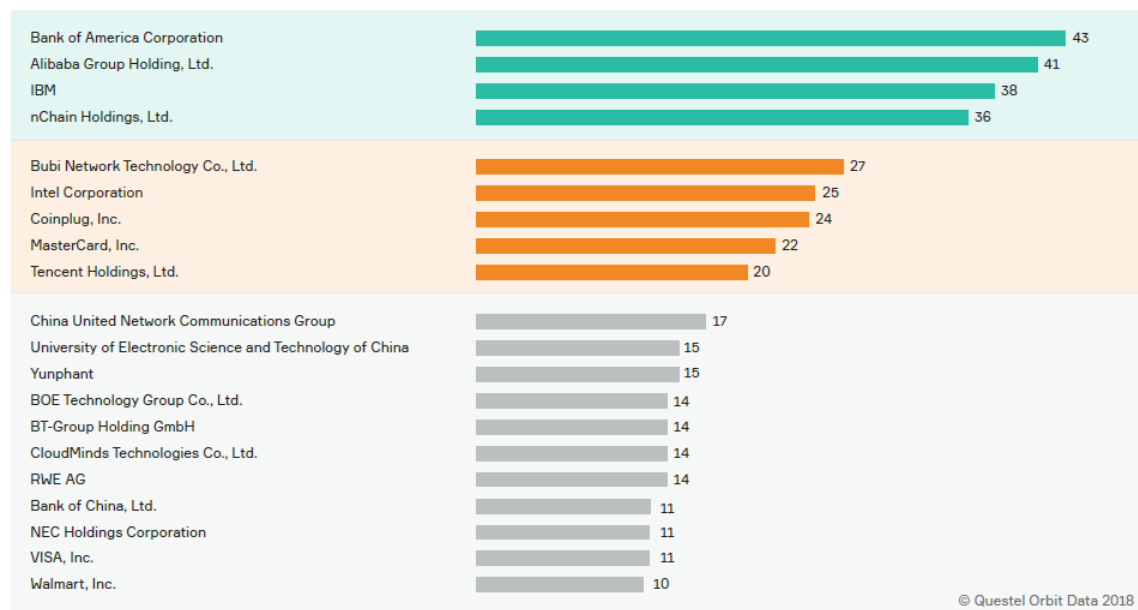


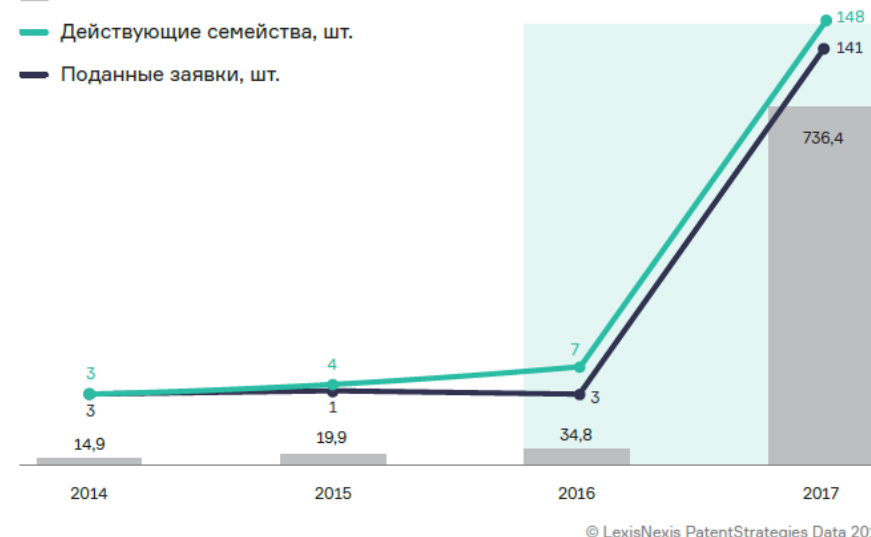
Рисунок 8

Общий объем трат за последние 4 года:

805 997
долларов США

Оценочная стоимость портфеля патентов и динамика патентования nChain

■ Стоимость патентного портфеля, тыс. долларов США
— Действующие семейства, шт.
— Поданные заявки, шт.

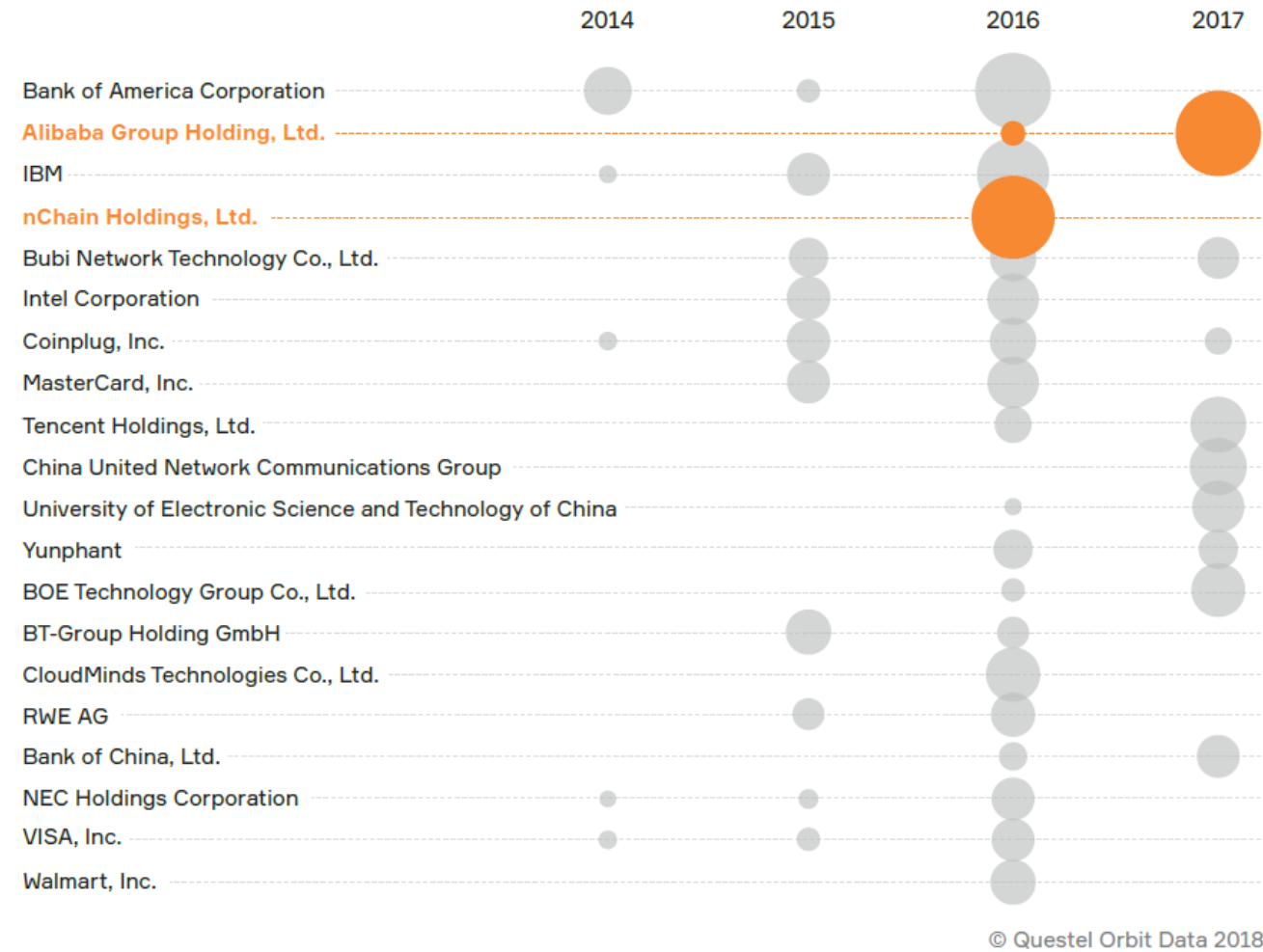


It should be noted that despite the presence of major international players among the leaders, Bank of America, Alibaba, IBM, Intel, Mastercard, Visa and others, the share of blockchain patents in the structure portfolios of patents of giant companies is negligible.

In this context, the most interesting for deep analysis are the portfolio structures of companies mainly specializing in blockchain technologies.

Alibaba spurt

Анализ интересов компаний-лидеров области



The explosive growth in the number of applications in 2017 allowed the Alibaba Group to take second place in the ranking of the number of patent families.

Analysis of the patent documents of the Alibaba Group showed that the company pays great attention to the patenting of development methods and the use of consensus algorithms. It is worth noting that previously this area as an integral part of blockchain technologies did not attract such focused attention of industry leaders and giants of online commerce.

Help with go-to-market

ЯПОНИЯ

Топ компаний		Топ патентных поверенных	
Правообладатель	Число патентных семейств	Патентные поверенные	Число патентных семейств
Nippon Telegraph & Telephone	9	Hiroshi Otani	4
Bitflyer	7	Inaba Yoshiyuki	4
ORB	3	BABA Motohiro Et Al.	3

АВСТРАЛИЯ

Топ компаний		Топ патентных поверенных	
Правообладатель	Число патентных семейств	Патентные поверенные	Число патентных семейств
Bloxian Int	3	Nina Taylor	8
Trustee For The Mceon Family Trust	1	Bloxian International PTY LTD	3
Platform Secured	1	FB Rice	3

ЕВРОПЕЙСКИЙ СОЮЗ

Топ компаний		Топ патентных поверенных	
Правообладатель	Число патентных семейств	Патентные поверенные	Число патентных семейств
BT	10	Roberts Scott	8
Accenture Global Solutions	4	Muller-Bore & Partner	3
GSC Secrypt	2	Patentanwalte Partg Mbb	2
		Keltie LLP	2

ГЕРМАНИЯ

Топ компаний		Топ патентных поверенных	
Правообладатель	Число патентных семейств	Патентные поверенные	Число патентных семейств
Endress & Hauser	6	Andres Angelika	6
Bundesdruckerei	3	Richardt Patentanwalte	3
Siemens	3	Partg Mbb	3
		Cohausz & Florack	1

To bring blockchain technologies to the global markets, it is important to understand who is already present in this market, how influential main competitors are.

Analysis of the most prominent countries:

- ❑ the leading companies that most actively patent the blockchain technologies
- ❑ the best patent attorneys with experience in working with patent applications in blockchain.



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