

## China is the leading country for blockchain patents with Alibaba and PBOC on top

Feb 7, 2018 Frank Hersey (<https://technode.com/author/frankhersey/>)



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Alibaba is the world's leading enterprise for the number of patents published for blockchain technology, with the Digital Currency Research Institute of the People's Bank of China (PBoC) in third place, according to a report by IPRdaily, a Chinese site dedicated to IP news, and incoPat, an innovation research indexing center. The report ([http://www.iprdaily.cn/news\\_18252.html](http://www.iprdaily.cn/news_18252.html)) (in Chinese) shows Alibaba leaping to

pole position for the number of patents publicly published globally in 2017 across all three patent types (invention, design, and utility). Out of the top 100 companies 49 were Chinese, 23 from the US (see below for table of top 100 rankings).

Using the number of patents published is not necessarily an indicator of quality, usefulness or real-world application. However, the sheer speed of work of some of the companies listed is startling.

The figures show the number of blockchain patents published for 2017 and in total. Alibaba Group has clearly shot to the top of the table: out of the cumulative total 49 blockchain-related patents, 44 were published in 2017. In second place is Bank of America with 33 new patents taking its total to 44. Third place went to another Chinese organization, the PBoC's Digital Currency Research Institute (中国人民银行数字货币研究所) which also published 33 patents despite only opening in June 2017 (<https://www.yicaiglobal.com/news/people%E2%80%99s-bank-china-opens-digital-currency-research-institute>) which suggest its cumulative total is all from the second half of the year.

Eighth on the list is another institute under the PBoC. The China Banknote Printing & Minting Corporation set up a blockchain research institute in Hangzhou (<https://www.yicaiglobal.com/news/central-bank%E2%80%99s-china-banknote-printing-minting-corporation-sets-blockchain-research-institute>) last September, according to Yicai Global, suggesting they were very proficient given they published 22 patents by the end of the year. Combining both the PBoC institutes would put China's central bank at the top with 55 patents.

Japan and the UK with five and two companies respectively are the only other countries besides China and the US to have more than one company with blockchain patents in the world's top 100 rankings. Twelve other countries including Russia, Ireland, Spain, and Australia each have one top 100 company, although some such as Spain and Australia have maintained a place in the top 100 without publishing any new patents in 2017.

排名	申请人	国别	2017全球专利数量/件	全球专利总量/件
1	阿里巴巴集团控股有限公司	中国	43	49
2	BANK OF AMERICA CORPORATION	美国	33	44
3	中国人民银行数字货币研究所	中国	33	33
4	NCHAIN HOLDINGS LIMITED	安提瓜和巴布达	32	34
5	北京瑞卓喜科技发展有限公司	中国	26	27
6	MASTERCARD INTERNATIONAL INCORPORATED	美国	25	45
7	江苏通付盾科技有限公司	中国	23	23
8	中国人民银行印制科学技术研究所	中国	22	22
9	深圳前海达闼云端智能科技有限公司	中国	17	17
10	中国联合网络通信集团有限公司	中国	16	19
11	杭州趣链科技有限公司	中国	16	18
12	ACCENTURE GLOBAL SOLUTIONS LIMITED	爱尔兰	15	15
13	FMR LLC	美国	15	15
14	THE TORONTO DOMINION BANK	加拿大	15	15
15	杭州云象网络技术有限公司	中国	14	22
16	北京众享比特科技有限公司	中国	13	14
17	北京天德科技有限公司	中国	13	14
18	中钞信用卡产业发展有限公司北京智能卡技术研究院	中国	13	13
19	国家电网公司	中国	11	12
20	中国银行股份有限公司	中国	11	11
21	北京汇通金财信息科技有限公司	中国	11	11
22	无锡井通网络科技有限公司	中国	11	11
23	腾讯科技(深圳)有限公司	中国	11	11
24	杭州复杂美科技有限公司	中国	10	20
25	ЕРМОЛАЕВ ДМИТРИЙ СЕРГЕЕВИЧ	俄罗斯	10	16

26	BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY	英国	10	12
27	中链科技有限公司	中国	10	11
28	现在(北京)支付股份有限公司	中国	10	11
29	COINPLUG INC	韩国	9	14
30	北京云知科技有限公司	中国	9	13
31	深圳市奥通电子有限公司	中国	9	11
32	众安信息技术服务有限公司	中国	9	9
33	布比(北京)网络技术有限公司	中国	8	20
34	NASDAQ INC	美国	8	11
35	INTERNATIONAL BUSINESS MACHINES CORPORATION	美国	8	10
36	广东网金控股股份有限公司	中国	8	9
37	日本電信電話株式会社	日本	8	9
38	上海亿账通区块链科技有限公司	中国	8	8
39	上海点融信息科技有限公司	中国	8	8
40	联动优势科技有限公司	中国	8	8
41	飞天诚信科技股份有限公司	中国	8	8
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43	北京金股链科技有限公司	中国	7	7
44	天津米游科技有限公司	中国	7	7
45	杭州秘猿科技有限公司	中国	7	7
46	SPONDOLIES TECH LTD	以色列	6	9
47	深圳前海微众银行股份有限公司	中国	6	9
48	济南浪潮高新科技投资发展有限公司	中国	6	8
49	MANIFOLD TECHNOLOGY INC	美国	6	7
50	NOKIA TECHNOLOGIES OY	芬兰	6	7

51	中金云金融(北京)大数据科技股份有限公司	中国	6	7
52	THE BANK OF NEW YORK MELLON	美国	6	6
53	SONY CORPORATION	日本	5	6
54	捷德(中国)信息科技有限公司	中国	5	6
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60	武汉凤链科技有限公司	中国	5	5
61	迅鯨成都科技有限公司	中国	5	5
62	INTEL CORPORATION	美国	4	12
63	BLACK GOLD COIN INC	美国	4	7
64	SKUCHAIN INC	美国	4	6
65	合肥维天运通信息科技股份有限公司	中国	4	6
66	光载无限(北京)科技有限公司	中国	4	5
67	武汉斗鱼网络科技有限公司	中国	4	5
68	AVAYA INC	美国	4	4
69	BUNDESDRUCKEREI GMBH	德国	4	4
70	CAMBRIDGE BLOCKCHAIN LLC	美国	4	4
71	D+H USA CORPORATION	美国	4	4
72	GUARDTIME IP HOLDINGS LIMITED	美国	4	4
73	深圳市淘淘谷信息技术有限公司	中国	3	9
74	DIGITAL ASSET HOLDINGS	美国	3	7
75	深圳市易成自动驾驶技术有限公司	中国	3	5

76	FUJITSU LTD	日本	2	8
77	RIVETZ CORP	美国	2	6
78	惠众商务顾问(北京)有限公司	中国	2	6
79	OX LABS INC	美国	2	4
80	北京太一云科技有限公司	中国	1	7
81	SHOCARD INC	美国	1	6
82	BLOCKCHAIN TECHNOLOGIES CORPORATION	美国	1	5
83	VIRTUAL ELECTRIC INC	美国	1	5
84	APPLE INC	美国	1	4
85	DELL PRODUCTS LP	美国	1	4
86	GOLDMAN SACHS CO	美国	1	4
87	COINBASE INC	美国	0	11
88	NEC CORP	日本	0	9
89	QUALCOMM INCORPORATED	美国	0	9
90	MONEGRAPH INC	美国	0	8
91	21 INC	美国	0	7
92	招商银行股份有限公司	中国	0	7
93	BLACKHAWK NETWORK INC	美国	0	5
94	MALHOTRA KAMALINI	澳大利亚	0	5
95	WILDTANGENT INC	美国	0	5
96	久谦金融科技股份有限公司	中国台湾	0	5
97	宁圣金融信息服务(上海)有限公司	中国	0	5
98	CASERO FERNANDEZ MONTES JULIAN	西班牙	0	4
99	EITC HOLDINGS LTD	英国	0	4
100	OKI ELECTRIC IND CO LTD	日本	0	4

Top 100 companies for number of blockchain patents published in 2017 (cumulative total in right hand column) (Image credit: IPR daily, data from incoPat)

**Tags:** Alibaba (<https://technode.com/tag/alibaba/>), Blockchain (<https://technode.com/tag/blockchain/>), patents (<https://technode.com/tag/patents/>), PBOC (<https://technode.com/tag/pboc/>)



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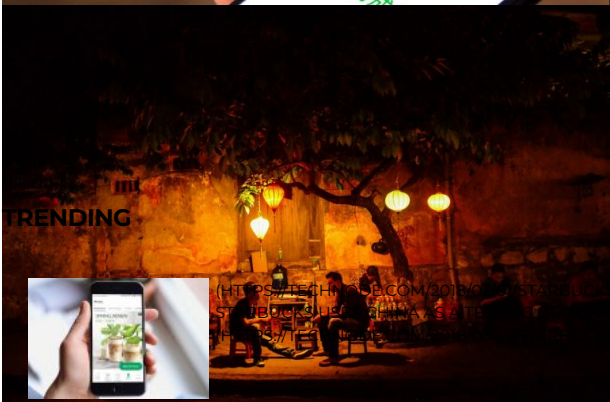

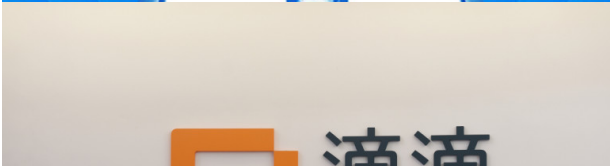


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