

Qualcomm is the #1 Innovator in the Telecom & Communications Industry, CenturyLink moves into the top 10

| Quarterly snapshot – 13 week averages | 7/11/2014

Previous Rank		Current Rank	Company	Patent Granted*	Science Strength™	Innovation Cycle Time™	Industry Impact™	Technology Strength™	Research Intensity™
1	◀▶	1	Qualcomm Inc	2542	11755.5	9.9	1.21	4564.64	1.6
2	◀▶	2	AT&T Inc	1827	1151	10.9	1.02	2752.1	0.64
3	◀▶	3	BlackBerry Ltd	1486	1445.5	10.4	1.09	2406.49	0.98
4	◀▶	4	Cisco Systems Inc	1028	1561.8	9.6	1.02	1547.01	0.99
5	◀▶	5	Ericsson	1410	1475.8	7.7	0.64	1341.54	0.99
7	△	6	Verizon Communications Inc	741	322	11.2	1.17	1287.19	0.41
6	▽	7	LG Electronics Inc*	1000	604	7	0.8	1193.28	0.79
8	◀▶	8	Samsung Group*	1207	255.8	7.3	0.58	1035.34	0.49
9	◀▶	9	Nokia Group	796	929.5	9.4	0.86	1015.18	1.14
12	△	10	CenturyLink Inc	151	17.5	8	4.18	934.8	0.67
11	◀▶	11	Google Inc*	567	654.5	9.7	1.08	905.11	1.21
10	▽	12	SoftBank Corp	547	88.8	7.5	1.09	883.24	0.41
13	◀▶	13	Huawei Technologies Co Ltd	959	615.5	6.6	0.48	684.52	1.02
14	◀▶	14	Alcatel-Lucent	672	1021	8.5	0.63	629.71	1.18
16	△	15	Juniper Networks Inc	302	280	9.5	1.35	605.52	0.92
15	▽	16	Nippon Telegraph & Telephone Corp	470	3079.5	11.9	0.76	526.95	1.47
17	◀▶	17	Fujitsu Ltd*	868	398.3	7.8	0.39	503.3	0.62
22	△	18	ZTE Corp	467	8.8	5.7	0.53	362.97	0.22
20	△	19	NEC Corp*	525	346	7.5	0.42	324.81	1.06
18	▽	20	Avaya Inc	224	329.8	11.4	0.95	316.51	0.87
19	▽	21	Panasonic Corp*	423	351.5	9.1	0.48	301.01	1.17
21	▽	22	Motorola Solutions Inc	257	120.5	11.2	0.76	288.08	0.68
25	△	23	Skyhook Wireless Inc	14	2474.8	7.1	12.62	262.98	4.54
23	▽	24	TE Connectivity Ltd*	148	93.8	11.8	1.08	236.67	0.9
28	△	25	Brocade Communication Systems Inc	79	385.8	9.5	1.74	205.1	2.03
26	◀▶	26	InterDigital Inc	211	927.8	11.5	0.65	204.43	1.64
27	◀▶	27	EchoStar Corp	125	31	12.6	0.81	149.99	0.43
		28	Voxer Inc	21	1060.8	8.6	4.586	145.04	4.56
30	△	29	CommScope Inc	96	102.5	11.5	1.02	143.7	0.54
29	▽	30	ARRIS Group Inc	102	264.8	10.5	0.88	133.13	0.87
24	▽	31	ParkerVision Inc	15	5454.5	12.8	5.91	132.69	2.84
33	△	32	Comcast Corp	90	214.3	14.3	0.98	131.13	0.98
32	▽	33	Hitachi Ltd*	183	51	8.8	0.47	125.52	0.68
34	◀▶	34	Sharp Corp*	136	216.8	8.3	0.62	124.64	1.2
39	△	35	MediaTek Inc*	148	53.3	7.2	0.55	119.18	0.83
58	△	36	Aruba Networks Inc	35	3.5	5.8	2.2	113.44	0.28
38	△	37	Deutsche Telekom AG	101	133.5	7.4	0.74	111	1.13
31	▽	38	ViaSat Inc	84	318.8	9.1	0.87	107.44	1.45
35	▽	39	Toshiba Corp*	174	58.5	6.7	0.41	106.09	0.61
45	△	40	TeleCommunication Systems Inc	44	19.3	11.9	1.56	101.9	1.31
41	◀▶	41	Wi-LAN Inc	42	503.3	11.6	1.65	101.87	3.19
36	▽	42	Royal Philips Electronics NV*	114	165.3	9.4	0.59	100.24	1.54
47	△	43	Blue Coat Systems Inc	15	13.3	6	4.67	99.83	1.05
53	△	44	Telecom Italia SpA*	63	76	8.8	1.03	95.54	1.04
52	△	45	West Corp	74	4	12.7	0.84	91.95	0.21
37	▽	46	Fortinet Inc	28	100.8	9.3	2.16	88.21	1.43
54	△	47	Ruckus Wireless Inc	14	838.8	10.4	4.11	86.49	4.2
40	▽	48	Harris Corp	138	1194.3	12.3	0.41	84.99	1.8
49	◀▶	49	Time Warner Cable Inc	56	3	10.3	0.98	82.12	0.22
43	▽	50	Mitsubishi Electric Corp*	115	167.8	10.2	0.48	81.72	1.09

The scorecard includes U.S. utility patents that were represented by each entity. Only industry specific patents are used for companies that are represented in multiple industries, which are indicated with an asterisk*. Industry Impact™ and Research Intensity™ indicators are both normalized to 1.0 for the industry average. Gray boxes signify a score above the industry average. The leading score among the top 20 are signified by the orange boxes. Most industries are ranked by Technology Strength™, the Biotechnology and Pharmaceuticals Industries are ranked by Science Strength™.

ABOUT THE INDUSTRY

The Telecom & Communications Industry represents companies involved in the distribution and management of communications through systems such as broadband, wireless and cable. It also encompasses networking systems such as remote access servers and VPNs as well as optical switching and transmission components. There are 141 companies in the scorecard and 24 are in more than one of our 17 Industry Scorecards, 5 of which are in the top 20 where Samsung is in the most industries (Consumer Electronics, Consumer Products, Electronics & Instruments, Energy & Environmental, Information Technology, Semiconductors and Telecom & Communications). The companies represented in the scorecard are part of our Corporate Ownership Tree and include majority owned subsidiaries.

HIGHLIGHTS

Qualcomm Inc has maintained the top position for eight consecutive publications. CenturyLink Inc moves into the top 10 for the first time, helped by having the highest Industry Impact™ among the top 20, indicating their patents are cited more frequently than expected. There were eight newcomers to the scorecard: Voxer Inc (ranked 28), MaxLinear Inc (66), WFS Technologies Ltd (75), China Iwncomm Co Ltd (81), Spirent Communications Plc (90), Netgear Inc (108), Omnitracs LLC (109) and Coriant GMBH & Co KG (131). Among the top 50 Aruba Networks Inc had the largest increase in rank, 22 spots to now rank 36th due to an increase in both patents and impact. Newcomer Voxer has the highest Research Intensity™ (4.56) among the top 50. Nearly all of Voxer's current year of issued U.S. utility patents has much higher scientific references per patent than the Telecom & Communications Industry, citing primarily publications by the IEEE. ZTE Corp has the quickest Innovation Cycle Time™ (5.7 years) out of the top 50, nearly half that of the Telecom & Communications Industry, indicating they are building upon much younger art than the industry.

ABOUT THE INDICATORS

Patents Granted – equals the number of U.S. patents granted in a given calendar year, excluding design and other special-case inventions.

Science Strength™ – ranking measure to indicate how much a company uses science in building its patent portfolio with a combined measure of quality and quantity.

Innovation Cycle Time™ – indicates whether a patent portfolio is building off newer or older inventions (art).

Industry Impact™ – a quality measure that indicates the extent to which others are building upon a portfolio of issued US utility patents as compared to all patents in the same timeframe and further normalized to its own industry.

Technology Strength™ – ranking measure to indicate the overall strength of the company's patent portfolio with a combined measure of quality and quantity.

Research Intensity™ – a quality measure that indicates the extent to which a portfolio includes patents with above average Science Linkage (scientific non-patent prior art) as compared to its industry.

ABOUT THE PATENT BOARD™

The Patent Board was founded in 1968 as a consultancy specializing in the development of scientific research indicators and analysis. The Patent Board has three primary offerings: (1) Patent Research and Analytics, (2) Government Consulting and Analytics, (3) Investment Research Analytics. We utilize a proprietary database that we have been cultivating for over 30 years. Our data collections team performs name normalization, company unification, and adjustments for merger and acquisition activity to maintain the Corporate Ownership Tree. To inquire about how we can assist you or to learn more about our offerings, please contact solutions@patentboard.com.