

AEROSPACE AND DEFENSE

RANK	COMPANY/ORGANIZATION, COUNTRY (PARENT ORGANIZATION)	2010 U.S. PATENTS	PIPELINE GROWTH INDEX	PIPELINE IMPACT	SELF- CITATIONS	ADJUSTED PIPELINE IMPACT	PIPELINE GENERALITY	PIPELINE ORIGINALITY	PIPELINE POWER	ADJUSTED PIPELINE POWER
1	Honeywell International Inc., <i>U.S.</i>	1083	1.27	0.98	48%	0.80	0.94	0.99	1023	1247
2	Boeing Co., <i>U.S.</i>	671	1.24	0.83	44%	0.71	1.04	0.99	614	715
3	Lockheed Martin Corp., <i>U.S.</i>	383	1.32	0.82	22%	0.82	1.11	0.96	442	442
4	Raytheon Co., <i>U.S.</i>	233	1.21	0.97	11%	0.97	1.07	1.00	293	293
5	Airbus SAS, <i>France</i> (EADS NV, <i>Netherlands</i>)	264	1.98	0.58	30%	0.58	0.78	1.02	243	243
6	EADS NV, <i>Netherlands</i>	342	1.57	0.49	25%	0.49	0.78	1.02	210	210
7	Rockwell Collins Inc., <i>U.S.</i>	109	0.91	1.51	41%	1.34	0.94	1.03	129	146
8	Rolls-Royce Group PLC, <i>United Kingdom</i>	163	1.55	0.47	13%	0.47	1.15	1.01	139	139
9	Smiths Group PLC, <i>United Kingdom</i>	49	1.20	1.65	8%	1.65	1.37	1.03	136	136
10	Safran SA, <i>France</i>	231	1.37	0.45	15%	0.45	0.75	0.97	104	104
11	Alliant Techsystems Inc., <i>U.S.</i>	43	2.39	0.68	28%	0.68	1.31	1.02	93	93
12	Teledyne Technologies Inc., <i>U.S.</i>	52	1.49	0.93	12%	0.93	1.12	1.00	81	81
13	Northrop Grumman Corp., <i>U.S.</i>	129	0.94	0.69	10%	0.69	0.83	0.98	68	68
14	Pratt & Whitney Corp., <i>U.S.</i> (United Technologies Corp.)	98	1.15	0.68	50%	0.54	0.88	0.98	53	66
15	General Dynamics Corp., <i>U.S.</i>	44	1.63	0.79	4%	0.79	1.12	1.04	66	66
16	Hamilton Sundstrand Corp., <i>U.S.</i> (United Technologies Corp.)	88	1.40	0.53	47%	0.43	0.90	1.01	49	59
17	BAE Systems PLC, <i>United Kingdom</i>	94	0.91	0.70	6%	0.70	0.90	1.00	54	54
18	Goodrich Corp., <i>U.S.</i>	57	1.14	0.60	22%	0.60	1.36	1.00	53	53
19	Snecma Group, <i>France</i> (Safran SA)	157	1.29	0.36	24%	0.36	0.65	0.99	47	47
20	Thales SA, <i>France</i>	109	1.24	0.52	21%	0.52	0.55	0.98	38	38

AUTOMOTIVE AND PARTS										
RANK	COMPANY/ORGANIZATION, COUNTRY (PARENT ORGANIZATION)	2010 U.S. PATENTS	PIPELINE GROWTH INDEX	PIPELINE IMPACT	SELF- CITATIONS	ADJUSTED PIPELINE IMPACT	PIPELINE GENERALITY	PIPELINE ORIGINALITY	PIPELINE POWER	ADJUSTED PIPELINE POWER
1	Toyota Motor Corp., <i>Japan</i>	993	1.43	0.82	21%	0.82	1.11	0.98	1272	1272
2	General Motors Co., <i>U.S.</i>	989	1.58	0.79	39%	0.71	0.85	0.99	937	1030
3	Honda Motor Co., <i>Japan</i>	1070	1.36	0.60	27%	0.60	0.89	1.01	776	776
4	Ford Motor Co., <i>U.S.</i>	453	1.37	0.94	38%	0.86	1.19	0.96	611	662
5	Magna International Inc., <i>Canada</i>	180	1.18	1.60	62%	1.09	1.66	0.98	378	553
6	Denso Corp., <i>Japan</i>	930	1.16	0.60	31%	0.59	0.83	0.99	528	532
7	Automotive Technologies International Inc., <i>U.S.</i>	35	1.84	2.79	31%	2.75	2.46	1.06	463	470
8	Robert Bosch GmbH, <i>Germany</i>	664	1.23	0.51	13%	0.51	0.83	1.03	354	354
9	Takata Corp., <i>Japan</i>	167	1.28	1.33	39%	1.22	1.29	0.95	319	349
10	Autoliv Inc., <i>Sweden</i>	138	2.16	1.28	44%	1.10	0.81	0.96	252	293
11	Nissan Motor Co., <i>Japan</i>	381	1.14	0.71	20%	0.71	0.94	0.99	289	289
12	Johnson Controls Inc., <i>U.S.</i>	69	1.64	1.09	21%	1.09	1.68	1.04	217	217
13	Aisin Seiki Co., <i>Japan</i>	211	1.19	0.81	28%	0.81	1.03	0.99	208	208
14	Toyota Boshoku Corp., <i>Japan</i>	48	1.92	1.04	15%	1.04	1.98	0.94	178	178
15	Toyoda Gosei Co., <i>Japan</i>	95	1.03	1.27	12%	1.27	1.21	0.96	146	146
16	ZF Friedrichshafen AG, <i>Germany</i>	151	1.45	0.70	21%	0.70	0.87	1.02	135	135
17	Oshkosh Corp., <i>U.S.</i>	24	1.71	2.52	61%	1.74	1.15	0.90	74	107
18	Delphi Corp., <i>U.S.</i>	236	0.75	0.59	13%	0.59	0.90	1.02	96	96
19	Hyundai Motor Co., <i>South Korea</i>	193	1.52	0.47	6%	0.47	0.58	1.01	82	82
20	Renault SA, <i>France</i>	51	3.00	0.35	5%	0.35	1.47	1.03	82	82

BIOTECHNOLOGY AND PHARMACEUTICALS

RANK	COMPANY/ORGANIZATION, COUNTRY (PARENT ORGANIZATION)	2010 U.S. PATENTS	PIPELINE GROWTH INDEX	PIPELINE IMPACT	SELF- CITATIONS	ADJUSTED PIPELINE IMPACT	PIPELINE GENERALITY	PIPELINE ORIGINALITY	PIPELINE POWER	ADJUSTED PIPELINE POWER
1	Johnson & Johnson, <i>U.S.</i>	796	1.58	2.71	41%	2.40	1.11	0.96	3203	3610
2	Abbott Laboratories, <i>U.S.</i>	446	1.95	2.27	43%	1.97	1.26	0.96	2060	2379
3	Martek Biosciences Corp., <i>U.S.</i> (Royal DSM NV, Netherlands)	27	1.23	5.00	95%	1.92	3.94	1.04	261	679
4	Mallinckrodt Inc., <i>U.S.</i> (Covidien PLC, Ireland)	77	2.08	3.22	89%	1.33	0.94	1.02	204	493
5	Purdue Pharma LP, <i>U.S.</i>	29	3.00	3.24	40%	2.92	1.59	0.87	350	389
6	Roche Holding AG, <i>Switzerland</i>	514	1.29	0.56	20%	0.56	0.96	1.01	364	364
7	C.H. Boehringer Sohn AG & Co. KG, <i>Germany</i>	141	1.18	1.52	67%	0.95	1.51	0.90	215	344
8	Merck & Co., <i>U.S.*</i>	371	1.20	0.59	34%	0.57	1.28	0.99	321	336
9	Allergan Inc., <i>U.S.</i>	109	1.88	1.18	72%	0.69	1.41	0.97	194	331
10	Synta Pharmaceuticals Corp., <i>U.S.</i>	18	3.00	4.06	99%	1.27	1.37	0.96	90	289
11	Idera Pharmaceuticals Inc., <i>U.S.</i>	12	1.71	3.74	58%	2.70	3.72	0.95	196	271
12	Novartis AG, <i>Switzerland</i>	371	1.86	0.44	45%	0.38	0.86	1.02	229	269
13	Illumina Inc., <i>U.S.</i>	25	1.25	2.90	59%	2.07	2.80	1.02	185	259
14	Sanofi-Aventis France, <i>France</i>	263	1.22	0.55	40%	0.50	1.44	1.00	230	255
15	AstraZeneca PLC, <i>United Kingdom</i>	157	1.33	0.95	51%	0.75	1.29	0.98	198	251
16	Schering-Plough Corp., <i>U.S.*</i> (Merck & Co.)	166	1.27	0.71	45%	0.61	1.66	0.98	208	244
17	Merck KGaA, <i>Germany</i>	262	1.58	0.58	49%	0.48	0.99	0.99	193	237
18	Pfizer Inc., <i>U.S.</i>	310	0.96	0.62	35%	0.59	1.24	0.97	212	222
19	Coley Pharmaceutical Group Inc., <i>U.S.</i> (Pfizer Inc.)	10	1.00	5.00	38%	5.00	5.00	0.81	201	201
20	Wyeth Pharmaceuticals Inc., <i>U.S.</i> (Pfizer Inc.)	172	0.89	0.93	32%	0.91	1.42	0.98	193	197

*Merck & Co. and Schering-Plough Corp. merged in November 2009 and combined operations as Merck & Co.

CHEMICALS										
RANK	COMPANY/ORGANIZATION, COUNTRY (PARENT ORGANIZATION)	2010 U.S. PATENTS	PIPELINE GROWTH INDEX	PIPELINE IMPACT	SELF- CITATIONS	ADJUSTED PIPELINE IMPACT	PIPELINE GENERALITY	PIPELINE ORIGINALITY	PIPELINE POWER	ADJUSTED PIPELINE POWER
1	E.I. du Pont de Nemours and Co., U.S.	747	1.19	0.53	51%	0.42	1.11	1.00	412	523
2	Dow Chemical Co., U.S.	299	1.47	0.48	31%	0.48	1.31	1.01	277	278
3	Evonik Industries AG, Germany (RAG AG)	178	1.27	0.71	56%	0.53	1.53	1.01	184	248
4	BASF SE, Germany	575	1.33	0.34	35%	0.32	0.90	1.02	224	236
5	Nitto Denko Corp., Japan	166	1.36	0.68	33%	0.65	1.19	0.96	170	175
6	Eastman Chemical Co., U.S.	73	1.07	1.55	82%	0.74	1.64	0.85	81	170
7	Royal DSM NV, Netherlands	101	1.07	0.92	57%	0.67	1.45	1.03	109	150
8	Shin-Etsu Chemical Co., Japan	208	1.18	0.53	21%	0.53	0.82	1.01	109	109
9	Lubrizol Corp., U.S.	44	2.44	0.83	17%	0.83	1.14	0.99	100	100
10	Showa Denko KK, Japan	123	1.34	0.47	11%	0.47	1.00	1.01	77	77
11	Rockwood Holdings Inc., U.S.	34	2.62	0.50	15%	0.50	1.53	1.03	69	69
12	Basell NV, Netherlands (LyondellBasell Industries NV)	57	1.02	1.07	75%	0.59	1.08	1.00	37	67
13	LG Chem Ltd., South Korea	174	1.26	0.48	23%	0.48	0.57	1.00	61	61
14	Daicel Chemical Industries Ltd., Japan	64	1.94	0.52	26%	0.52	0.89	1.01	58	58
15	Mitsubishi Chemical Holdings Corp., Japan	138	0.99	0.57	21%	0.57	0.75	1.00	58	58
16	Cabot Corp., U.S.	38	1.03	1.04	18%	1.04	1.46	0.98	58	58
17	Chevron Phillips Chemical Company LLC, U.S.	32	0.97	1.07	73%	0.61	1.81	0.95	33	57
18	Dow Corning Corp., U.S.	69	1.77	0.53	21%	0.53	0.86	1.01	56	56
19	Rohm and Haas Co., U.S. (Dow Chemical Co.)	102	1.03	0.44	14%	0.44	1.16	1.02	55	55
20	L'Air Liquide SA, France	69	1.60	0.43	17%	0.43	1.03	1.05	52	52

COMPUTER PERIPHERALS AND STORAGE										
RANK	COMPANY/ORGANIZATION, COUNTRY (PARENT ORGANIZATION)	2010 U.S. PATENTS	PIPELINE GROWTH INDEX	PIPELINE IMPACT	SELF- CITATIONS	ADJUSTED PIPELINE IMPACT	PIPELINE GENERALITY	PIPELINE ORIGINALITY	PIPELINE POWER	ADJUSTED PIPELINE POWER
1	Netapp Inc., U.S.	206	1.50	3.41	42%	3.01	1.61	0.96	1434	1626
2	Ricoh Co., Japan	1245	1.21	1.03	53%	0.79	1.04	1.00	1236	1615
3	EMC Corp., U.S.	374	1.25	2.03	16%	2.03	1.37	0.95	1240	1240
4	Super Talent Technology Corp., U.S.	43	2.15	4.27	22%	4.27	2.80	1.00	1109	1109
5	Seiko Epson Corp., Japan	1517	1.07	0.74	25%	0.74	0.86	0.99	1031	1031
6	Fuji Xerox Co., Japan (Fujifilm Holdings Corp.)	575	1.35	0.64	13%	0.64	0.91	1.01	450	450
7	Brother Industries Ltd., Japan	776	1.46	0.57	46%	0.48	0.68	0.99	365	436
8	Konica Minolta Holdings Inc., Japan	608	1.38	0.62	16%	0.62	0.77	0.98	393	393
9	Symbol Technologies Inc., U.S.* (Motorola Solutions Inc.)	105	1.02	2.89	6%	2.89	1.14	1.00	354	354
10	Seagate Technology LLC, U.S.	293	1.15	0.86	24%	0.86	1.03	0.96	285	285
11	AU Optronics Corp., Taiwan	385	1.49	0.64	18%	0.64	0.60	1.00	219	219
12	Immersion Corp., U.S.	39	1.56	1.40	24%	1.40	1.52	1.08	140	140
13	Hitachi Global Storage Technologies Inc., Japan (Hitachi Ltd.)	349	0.88	0.60	31%	0.59	0.73	1.03	137	138
14	Western Digital Corp., U.S.	98	1.14	1.13	33%	1.10	1.22	0.88	131	134
15	Mobility Electronics Inc., U.S.	12	3.00	2.17	0%	2.17	1.56	1.10	134	134
16	Emulex Corp., U.S.	26	2.89	1.62	23%	1.62	1.06	0.95	123	123
17	QLogic Corp., U.S.	41	1.02	2.79	37%	2.59	1.12	0.90	111	119
18	Toshiba TEC Corp., Japan (Toshiba Corp.)	289	1.23	0.50	29%	0.50	0.66	1.01	119	119
19	Lexmark International Inc., U.S.	182	1.44	0.43	18%	0.43	0.99	1.03	114	114
20	Mediatek Inc., Taiwan	237	1.41	0.53	16%	0.53	0.61	0.99	108	108

*In 2007, Symbol Technologies was acquired by Motorola Inc.'s Enterprise Mobility Division, which became Motorola Solutions Inc. in 2011.

COMPUTER SOFTWARE										
RANK	COMPANY/ORGANIZATION, COUNTRY (PARENT ORGANIZATION)	2010 U.S. PATENTS	PIPELINE GROWTH INDEX	PIPELINE IMPACT	SELF- CITATIONS	ADJUSTED PIPELINE IMPACT	PIPELINE GENERALITY	PIPELINE ORIGINALITY	PIPELINE POWER	ADJUSTED PIPELINE POWER
1	Microsoft Corp., U.S.	3117	1.07	1.88	30%	1.88	1.16	0.99	7140	7146
2	Oracle Corp., U.S.	1217	1.32	1.81	12%	1.81	1.07	1.00	3129	3129
3	SAP AG, Germany	716	1.75	1.47	19%	1.47	0.98	1.01	1817	1817
4	Symantec Corp., U.S.	319	1.44	2.45	15%	2.45	1.20	0.97	1317	1317
5	Nuance Communications Inc., U.S.	103	2.24	2.65	19%	2.65	1.63	1.01	1008	1008
6	Digimarc Corp., U.S.	66	1.12	4.66	59%	3.33	2.11	0.90	466	652
7	Bally Technologies Inc., U.S.	44	3.00	3.14	17%	3.14	1.54	0.98	627	627
8	CA Technologies Ltd., U.S.	109	2.02	1.90	7%	1.90	1.36	1.02	583	583
9	Novell Inc., U.S.	97	2.26	2.48	12%	2.48	1.10	0.97	579	579
10	BEA Systems Inc., U.S. (Oracle Corp.)	126	1.33	2.66	24%	2.66	1.24	1.01	558	558
11	Adobe Systems Inc., U.S.	228	1.49	1.47	23%	1.47	1.08	0.98	528	528
12	Citrix Systems Inc., U.S.	52	2.08	3.81	17%	3.81	1.35	0.91	509	509
13	InterTrust Technologies Corp., U.S.	20	2.86	5.00	20%	5.00	1.62	1.02	473	473
14	America Online Inc., U.S.	127	1.41	2.05	2%	2.05	1.28	1.00	470	470
15	Commvault Systems Inc., U.S.	41	1.78	5.00	75%	3.90	1.46	0.73	305	392
16	VMware Inc., U.S. (EMC Corp.)	44	1.69	3.83	10%	3.83	1.46	0.92	385	385
17	Rovi Corp., U.S.	73	1.43	2.36	19%	2.36	1.60	0.95	374	374
18	McAfee Inc., U.S. (Intel Corp.)	66	1.65	2.89	13%	2.89	1.17	0.98	363	363
19	Siebel Systems Inc., U.S.* (Oracle Corp.)	57	2.04	2.55	6%	2.55	1.13	1.08	362	362
20	Sybase Inc., U.S. (SAP AG, Germany)	31	2.38	3.45	9%	3.45	1.26	0.94	303	303

*Siebel Systems Inc. was acquired by Oracle Corp. in 2006 and its products became an Oracle brand.

COMPUTER SYSTEMS

RANK	COMPANY/ORGANIZATION, COUNTRY (PARENT ORGANIZATION)	2010 U.S. PATENTS	PIPELINE GROWTH INDEX	PIPELINE IMPACT	SELF- CITATIONS	ADJUSTED PIPELINE IMPACT	PIPELINE GENERALITY	PIPELINE ORIGINALITY	PIPELINE POWER	ADJUSTED PIPELINE POWER
1	International Business Machines Corp., <i>U.S.</i>	5905	1.20	1.25	21%	1.25	0.94	1.00	8402	8402
2	Hewlett-Packard Co., <i>U.S.</i>	1599	1.16	1.08	10%	1.08	1.05	1.02	2147	2147
3	Fujitsu Ltd., <i>Japan</i>	1918	1.13	0.70	10%	0.70	0.74	1.02	1151	1151
4	NEC Corp., <i>Japan</i>	871	1.29	0.73	5%	0.73	0.80	1.04	683	683
5	Dell Inc., <i>U.S.</i>	201	0.97	1.09	7%	1.09	0.97	1.00	207	207
6	Palm Inc., <i>U.S.</i> (Hewlett-Packard Co.)	68	1.15	1.69	31%	1.67	1.28	1.01	169	172
7	Sun Microsystems Inc., <i>U.S.</i> (Oracle Corp.)	206	0.36	1.56	7%	1.56	1.06	1.02	122	122
8	Lenovo Group Ltd., <i>China</i>	79	1.23	1.14	1%	1.14	1.01	1.04	117	117
9	Acer Inc., <i>Taiwan</i>	37	1.95	1.17	0%	1.17	1.10	1.04	97	97
10	Gateway Inc., <i>U.S.</i> (Acer Inc.)	23	1.44	1.25	0%	1.25	1.12	1.03	48	48
11	Unisys Corp., <i>U.S.</i>	40	0.77	1.06	1%	1.06	0.99	1.08	35	35
12	Giesecke & Devrient Group, <i>Germany</i>	44	1.63	0.63	19%	0.63	0.64	0.99	29	29
13	Cray Inc., <i>U.S.</i>	12	0.75	1.69	40%	1.51	2.03	0.71	20	22
14	Micro-Star International Co., <i>Taiwan</i>	15	1.36	0.72	0%	0.72	1.38	1.00	20	20
15	Asustek Computer Inc., <i>Taiwan</i>	70	1.04	0.52	4%	0.52	0.47	0.95	17	17
16	Compal Electronics Inc., <i>Taiwan</i>	20	1.00	0.89	0%	0.89	0.72	1.04	13	13
17	Sagem Orga GmbH, <i>Germany</i> (Safran SA, France)	14	0.93	0.25	0%	0.25	0.25	0.94	1	1

CONGLOMERATES										
RANK	COMPANY/ORGANIZATION, COUNTRY (PARENT ORGANIZATION)	2010 U.S. PATENTS	PIPELINE GROWTH INDEX	PIPELINE IMPACT	SELF- CITATIONS	ADJUSTED PIPELINE IMPACT	PIPELINE GENERALITY	PIPELINE ORIGINALITY	PIPELINE POWER	ADJUSTED PIPELINE POWER
1	Toshiba Corp., <i>Japan</i>	2520	1.35	0.74	21%	0.74	0.83	0.99	2076	2076
2	General Electric Co., <i>U.S.</i>	1486	1.22	0.87	23%	0.87	1.01	1.00	1601	1601
3	3M Co., <i>U.S.</i>	518	1.54	1.10	38%	1.01	1.45	0.99	1159	1263
4	Mitsubishi Electric Corp., <i>Japan</i>	777	1.30	0.62	11%	0.62	0.68	1.02	432	432
5	Rockwell Automation Inc., <i>U.S.</i>	166	1.38	1.24	30%	1.24	1.15	1.02	337	337
6	United Technologies Corp., <i>U.S.</i>	528	1.35	0.58	33%	0.57	0.81	0.99	327	336
7	Danaher Corp., <i>U.S.</i>	274	1.06	0.61	16%	0.61	0.98	1.00	175	175
8	Cooper Industries PLC, <i>Ireland</i>	81	1.11	1.48	43%	1.29	1.24	0.93	133	153
9	W.L. Gore & Associates, <i>U.S.</i>	38	1.65	1.24	14%	1.24	1.51	1.04	122	122
10	Fortune Brands Inc., <i>U.S.</i>	124	1.31	0.96	57%	0.70	0.77	0.96	83	115
11	PPG Industries Inc., <i>U.S.</i>	101	1.38	0.77	29%	0.77	0.92	1.01	99	99
12	Dover Corp., <i>U.S.</i>	91	1.47	0.75	37%	0.70	1.07	0.92	92	99
13	Dongbu Group, <i>South Korea</i>	362	1.19	0.36	19%	0.36	0.49	1.03	77	77
14	Textron Inc., <i>U.S.</i>	46	1.70	0.60	7%	0.60	0.67	1.05	34	34
15	Teleflex Inc., <i>U.S.</i>	13	0.76	0.88	4%	0.88	0.92	1.06	9	9

ELECTRONICS										
RANK	COMPANY/ORGANIZATION, COUNTRY (PARENT ORGANIZATION)	2010 U.S. PATENTS	PIPELINE GROWTH INDEX	PIPELINE IMPACT	SELF- CITATIONS	ADJUSTED PIPELINE IMPACT	PIPELINE GENERALITY	PIPELINE ORIGINALITY	PIPELINE POWER	ADJUSTED PIPELINE POWER
1	Apple Inc., <i>U.S.</i>	566	1.89	1.91	41%	1.71	1.37	0.98	2465	2764
2	Hitachi Ltd., <i>Japan</i>	2924	1.29	0.73	21%	0.73	0.90	1.02	2531	2531
3	Panasonic Corp., <i>Japan</i>	3132	1.33	0.70	15%	0.70	0.82	1.00	2392	2392
4	Hon Hai Precision Industry Co., <i>Taiwan</i>	1785	1.46	1.03	46%	0.87	0.92	0.93	1921	2282
5	Canon Inc., <i>Japan</i>	2715	1.17	0.75	38%	0.69	0.95	1.01	2100	2278
6	Sony Corp., <i>Japan</i>	2417	1.32	0.77	14%	0.77	0.90	1.01	2238	2238
7	International Game Technology, <i>U.S.</i>	268	2.05	4.14	76%	2.23	0.99	0.94	1134	2108
8	Xerox Corp., <i>U.S.</i>	1027	1.45	1.08	50%	0.87	1.16	0.97	1462	1821
9	LG Electronics Inc., <i>South Korea</i>	1609	1.48	0.78	36%	0.74	0.78	0.98	1334	1420
10	Koninklijke Philips Electronics NV, <i>Netherlands</i>	814	1.29	1.05	12%	1.05	1.10	1.04	1262	1262
11	Ibiden Co., <i>Japan</i>	112	1.90	2.65	72%	1.54	2.11	0.96	660	1134
12	Fujifilm Holdings Corp., <i>Japan</i>	1770	1.21	0.53	20%	0.53	0.86	0.99	960	960
13	Sharp Corp., <i>Japan</i>	961	1.28	0.79	14%	0.79	0.85	1.01	839	839
14	Olympus Corp., <i>Japan</i>	521	1.35	1.15	12%	1.15	0.88	1.01	717	717
15	TE Connectivity Ltd., <i>U.S.</i>	415	1.13	1.69	50%	1.35	0.88	0.95	533	667
16	Nichia Corp., <i>Japan</i>	67	1.49	2.63	16%	2.63	2.38	0.97	608	608
17	Fu Zhun Precision Industry Co., <i>China</i>	172	1.64	2.12	50%	1.71	1.27	0.78	480	596
18	Eastman Kodak Co., <i>U.S.</i>	362	1.16	0.82	10%	0.82	1.29	1.01	445	445
19	Audiovox Corp., <i>U.S.</i>	16	3.00	3.24	4%	3.24	2.43	1.08	408	408
20	LG Display Co., <i>South Korea</i>	734	1.23	0.59	29%	0.59	0.76	1.01	405	405

GOVERNMENT AGENCIES										
RANK	COMPANY/ORGANIZATION, COUNTRY (PARENT ORGANIZATION)	2010 U.S. PATENTS	PIPELINE GROWTH INDEX	PIPELINE IMPACT	SELF- CITATIONS	ADJUSTED PIPELINE IMPACT	PIPELINE GENERALITY	PIPELINE ORIGINALITY	PIPELINE POWER	ADJUSTED PIPELINE POWER
1	U.S. Navy, <i>U.S.</i>	304	1.30	0.69	15%	0.69	0.88	0.99	238	238
2	U.S. Department of Health and Human Services, <i>U.S.</i>	151	1.25	0.49	15%	0.49	1.17	1.02	109	109
3	Commissariat à l'Énergie Atomique, <i>France</i>	224	1.52	0.43	17%	0.43	0.62	1.02	92	92
4	Japan Science and Technology Agency, <i>Japan</i>	172	1.61	0.36	13%	0.36	0.89	1.01	89	89
5	Centre National de la Recherche Scientifique, <i>France</i>	154	1.39	0.37	13%	0.37	1.08	1.03	87	87
6	Agency for Science, Technology and Research, <i>Singapore</i>	46	1.39	1.05	4%	1.05	1.20	1.01	82	82
7	National Aeronautics and Space Administration, <i>U.S.</i>	105	1.19	0.66	16%	0.66	0.97	0.99	80	80
8	U.S. Army, <i>U.S.</i>	151	1.24	0.46	12%	0.46	0.84	1.00	71	71
9	U.S. Postal Service, <i>U.S.</i>	40	3.00	0.79	60%	0.55	0.64	1.02	43	62
10	Ministry of Economy, Trade and Industry, <i>Japan</i>	105	1.31	0.44	15%	0.44	0.80	1.01	49	49
11	U.S. Department of Energy, <i>U.S.</i>	37	1.48	0.57	6%	0.57	1.00	1.02	32	32
12	National Research Council of Canada, <i>Canada</i>	40	2.11	0.41	5%	0.41	0.88	1.02	31	31
13	U.S. Department of Commerce, <i>U.S.</i>	9	2.25	0.75	0%	0.75	1.38	1.02	21	21
14	National Security Agency/Central Security Service, <i>U.S.</i>	24	1.85	0.67	19%	0.67	0.63	0.96	18	18
15	U.S. Department of Agriculture, <i>U.S.</i>	43	1.59	0.26	11%	0.26	0.81	1.04	15	15
16	U.S. Air Force, <i>U.S.</i>	45	0.94	0.52	8%	0.52	0.64	1.00	14	14
17	Council of Scientific and Industrial Research, <i>India</i>	73	1.38	0.25	26%	0.25	0.25	1.03	6	6
18	Israel Ministry of Defense, <i>Israel</i>	11	0.92	0.46	0%	0.46	0.97	1.10	5	5
19	U.S. Environmental Protection Agency, <i>U.S.</i>	11	1.10	0.49	18%	0.49	0.72	1.06	5	5

MEDICAL EQUIPMENT/INSTRUMENTS										
RANK	COMPANY/ORGANIZATION, COUNTRY (PARENT ORGANIZATION)	2010 U.S. PATENTS	PIPELINE GROWTH INDEX	PIPELINE IMPACT	SELF- CITATIONS	ADJUSTED PIPELINE IMPACT	PIPELINE GENERALITY	PIPELINE ORIGINALITY	PIPELINE POWER	ADJUSTED PIPELINE POWER
1	Medtronic Inc., U.S.	769	1.78	3.13	22%	3.13	1.28	1.01	5540	5540
2	Covidien PLC, Ireland	353	1.86	5.00	51%	4.98	1.03	0.98	3322	3333
3	Ethicon Endo-Surgery Inc., U.S. (Johnson & Johnson)	192	2.18	5.00	72%	5.00	1.59	0.84	2810	2810
4	Boston Scientific Corp., U.S.	763	1.54	1.72	43%	1.50	1.07	0.99	1869	2148
5	St. Jude Medical Inc., U.S.	228	1.71	1.80	19%	1.80	1.00	1.04	729	729
6	Nellcor Puritan Bennett, U.S. (Covidien PLC, Ireland)	47	2.35	5.00	91%	2.09	1.26	1.03	300	718
7	Hansen Medical Inc., U.S.	16	3.00	5.00	62%	4.21	2.57	1.08	559	665
8	Cardiac Pacemakers Inc., U.S. (Boston Scientific Corp.)	239	1.31	1.85	74%	1.03	1.21	0.90	351	632
9	Guidant Corp., U.S. (Boston Scientific Corp.)	244	1.31	1.79	68%	1.11	1.15	0.90	367	591
10	Zimmer Holdings Inc., U.S.	106	2.36	2.43	37%	2.26	0.85	1.04	496	533
11	Stereotaxis Inc., U.S.	21	1.40	5.00	90%	2.65	3.21	1.05	262	494
12	Cook Group Inc., U.S.	107	2.06	1.86	25%	1.86	1.13	0.97	446	446
13	Pacesetter Inc., U.S. (St. Jude Medical Inc.)	135	1.67	1.71	16%	1.71	1.12	1.02	442	442
14	DexCom Inc., U.S.	21	1.75	5.00	25%	5.00	3.26	0.71	427	427
15	Becton, Dickinson and Co., U.S.	106	1.66	1.83	14%	1.83	1.27	1.03	422	422
16	Abbott Cardiovascular Systems Inc., U.S. (Abbott Laboratories)	99	1.60	2.17	51%	1.72	1.20	1.01	327	413
17	Siemens Healthcare, Germany (Siemens AG)	327	1.54	0.87	24%	0.87	0.92	0.98	396	396
18	CareFusion Corp., U.S.	25	3.00	2.17	2%	2.17	2.37	1.00	388	388
19	Hill-Rom Holdings Inc., U.S.	64	1.45	3.45	28%	3.45	1.20	0.97	377	377
20	DePuy Spine Inc., U.S. (Johnson & Johnson)	46	2.56	3.37	13%	3.37	1.24	0.77	376	376

SCIENTIFIC INSTRUMENTS										
RANK	COMPANY/ORGANIZATION, COUNTRY (PARENT ORGANIZATION)	2010 U.S. PATENTS	PIPELINE GROWTH INDEX	PIPELINE IMPACT	SELF- CITATIONS	ADJUSTED PIPELINE IMPACT	PIPELINE GENERALITY	PIPELINE ORIGINALITY	PIPELINE POWER	ADJUSTED PIPELINE POWER
1	Fisher Scientific Co., U.S. (Thermo Fisher Scientific Inc.)	56	1.10	3.89	86%	1.70	1.89	0.78	154	352
2	Hexagon AB, Sweden	56	2.15	1.18	42%	1.03	2.05	0.99	251	286
3	Thermo Fisher Scientific Inc., U.S.	138	1.07	1.49	69%	0.91	1.14	0.91	139	228
4	Advantest Corp., Japan	174	1.24	0.80	33%	0.78	0.98	0.99	163	167
5	Agilent Technologies Inc., U.S.	144	0.69	0.65	5%	0.65	0.98	1.06	67	67
6	Alere Inc., U.S.	17	0.74	2.25	21%	2.25	1.31	0.77	28	28
7	Trimble Navigation Ltd., U.S.	46	0.87	0.69	29%	0.69	0.91	0.95	24	24
8	Danfoss A/S, Denmark	57	1.33	0.44	24%	0.44	0.71	1.00	24	24
9	PerkinElmer Inc., U.S.	40	1.21	0.55	24%	0.55	0.85	1.04	24	24
10	Coherent Inc., U.S.	28	1.40	0.76	27%	0.76	0.80	0.98	24	24
11	MTS Systems Corp., U.S.	11	3.00	1.08	59%	0.77	0.86	0.76	17	23
12	Mettler-Toledo International Inc., Switzerland	32	1.33	0.57	57%	0.42	0.76	1.07	14	20
13	Beckman Coulter Inc., U.S. (Danaher Corp.)	28	1.22	0.71	13%	0.71	0.78	1.01	19	19
14	Caliper Life Sciences Inc., U.S.	20	1.00	0.72	25%	0.72	1.34	0.98	19	19
15	Garmin International, U.S.	14	0.67	1.59	13%	1.59	1.22	0.99	18	18
16	Millipore Corp., U.S. (Merck KGaA, Germany)	39	1.50	0.57	24%	0.57	0.53	0.98	17	17
17	Jeol Ltd., Japan	25	1.32	0.83	12%	0.83	0.58	1.00	16	16
18	LeCroy Corp., U.S.	12	0.92	1.00	34%	0.96	1.31	1.05	15	15
19	Tektronix Inc., U.S. (Danaher Corp.)	45	1.05	0.38	19%	0.38	0.64	1.03	12	12
20	Mitutoyo Corp., Japan	34	0.74	0.56	22%	0.56	0.74	1.02	11	11

SEMICONDUCTOR EQUIPMENT MANUFACTURING

RANK	COMPANY/ORGANIZATION, COUNTRY (PARENT ORGANIZATION)	2010 U.S. PATENTS	PIPELINE GROWTH INDEX	PIPELINE IMPACT	SELF- CITATIONS	ADJUSTED PIPELINE IMPACT	PIPELINE GENERALITY	PIPELINE ORIGINALITY	PIPELINE POWER	ADJUSTED PIPELINE POWER
1	Applied Materials Inc., <i>U.S.</i>	484	1.39	1.57	61%	1.09	1.37	0.98	982	1419
2	Molecular Imprints Inc., <i>U.S.</i>	26	2.89	5.00	82%	3.01	2.30	0.95	493	817
3	Cree Inc., <i>U.S.</i>	110	1.45	2.35	28%	2.35	2.18	0.97	792	792
4	Tokyo Electron Ltd., <i>Japan</i>	455	1.29	0.95	32%	0.93	1.17	1.00	640	652
5	FormFactor Inc., <i>U.S.</i>	51	1.27	3.66	27%	3.66	1.99	0.98	462	462
6	ASML Holding NV, <i>Netherlands</i>	272	1.03	0.85	34%	0.82	1.17	1.00	269	279
7	KLA-Tencor Corp., <i>U.S.</i>	132	1.06	1.48	42%	1.31	1.16	1.02	218	248
8	ASM International NV, <i>Netherlands</i>	111	1.54	1.45	45%	1.23	0.92	0.95	183	216
9	Cymer Inc., <i>U.S.</i>	37	2.18	1.98	76%	1.08	1.26	1.01	110	203
10	Novellus Systems Inc., <i>U.S.</i>	58	1.18	1.71	53%	1.32	1.16	0.92	97	125
11	Lam Research Corp., <i>U.S.</i>	121	1.29	0.59	36%	0.55	0.95	1.01	83	88
12	ATMI Inc., <i>U.S.</i>	26	1.24	1.53	46%	1.29	1.89	0.82	65	77
13	Micronic Mydata AB, <i>Sweden</i>	18	1.80	1.24	26%	1.24	1.58	0.99	63	63
14	Dainippon Screen Manufacturing Co., <i>Japan</i>	54	0.83	0.89	12%	0.89	1.23	1.02	50	50
15	Advanced Semiconductor Engineering Inc., <i>Taiwan</i>	75	1.09	0.87	5%	0.87	0.68	1.01	49	49
16	MKS Instruments Inc., <i>U.S.</i>	24	0.96	1.14	18%	1.14	1.69	1.05	47	47
17	Brooks Automation Inc., <i>U.S.</i>	22	1.69	0.88	7%	0.88	1.15	1.01	38	38
18	Siliconware Precision Industries Ltd., <i>Taiwan</i>	20	1.67	0.77	4%	0.77	1.29	1.00	33	33
19	Shinkawa Ltd., <i>Japan</i>	16	3.00	0.50	18%	0.50	1.14	1.01	27	27
20	Disco Corp., <i>Japan</i>	57	1.06	0.58	64%	0.38	0.72	0.89	15	22

SEMICONDUCTOR MANUFACTURING										
RANK	COMPANY/ORGANIZATION, COUNTRY (PARENT ORGANIZATION)	2010 U.S. PATENTS	PIPELINE GROWTH INDEX	PIPELINE IMPACT	SELF- CITATIONS	ADJUSTED PIPELINE IMPACT	PIPELINE GENERALITY	PIPELINE ORIGINALITY	PIPELINE POWER	ADJUSTED PIPELINE POWER
1	Samsung Electronics Co., <i>South Korea</i>	4599	1.26	0.77	19%	0.77	0.89	1.02	4033	4033
2	Intel Corp., <i>U.S.</i>	1724	1.09	1.14	15%	1.14	1.06	1.00	2253	2253
3	Semiconductor Energy Laboratory Co., <i>Japan</i>	739	1.34	1.56	73%	0.88	1.44	0.98	1228	2173
4	STATS ChipPAC Ltd., <i>Singapore</i>	161	2.60	3.31	65%	2.15	1.36	0.96	1166	1794
5	Broadcom Corp., <i>U.S.</i>	990	1.34	1.32	25%	1.32	1.04	0.99	1789	1789
6	Marvell Technology Group Ltd., <i>Bermuda</i>	542	1.65	1.52	39%	1.37	1.21	0.99	1464	1618
7	Micron Technology Inc., <i>U.S.</i>	922	0.95	1.22	49%	0.99	1.24	0.97	1044	1286
8	SanDisk Corp., <i>U.S.</i>	301	0.94	3.20	52%	2.50	1.46	0.91	937	1201
9	Infineon Technologies AG, <i>Germany</i>	1079	1.51	0.63	12%	0.63	0.84	1.03	888	888
10	Texas Instruments Inc., <i>U.S.</i>	863	1.27	0.93	9%	0.93	0.85	1.01	878	878
11	Hynix Semiconductor Inc., <i>South Korea</i>	977	1.66	0.79	48%	0.65	0.67	0.99	698	847
12	Renesas Electronics Corp., <i>Japan</i>	983	1.27	0.74	9%	0.74	0.86	1.03	814	814
13	Fairchild Semiconductor International Inc., <i>U.S.</i>	142	1.60	2.90	68%	1.80	1.22	0.95	477	768
14	Freescale Semiconductor Inc., <i>U.S.</i>	526	1.34	1.06	19%	1.06	0.93	0.99	692	692
15	Cypress Semiconductor Corp., <i>U.S.</i>	137	2.21	1.67	52%	1.30	1.37	0.97	525	672
16	Nanosys Inc., <i>U.S.</i>	26	2.00	4.54	41%	4.06	2.51	1.01	535	599
17	Xilinx Inc., <i>U.S.</i>	265	1.01	1.71	32%	1.68	1.34	0.92	558	569
18	Tessera Technologies Inc., <i>U.S.</i>	76	1.36	3.03	43%	2.63	2.05	0.88	492	566
19	Nantero Inc., <i>U.S.</i>	33	1.43	4.24	57%	3.11	2.84	0.95	398	544
20	Nvidia Corp., <i>U.S.</i>	242	0.85	2.87	15%	2.87	0.89	0.97	506	506

COMMUNICATION/INTERNET EQUIPMENT

RANK	COMPANY/ORGANIZATION, COUNTRY (PARENT ORGANIZATION)	2010 U.S. PATENTS	PIPELINE GROWTH INDEX	PIPELINE IMPACT	SELF- CITATIONS	ADJUSTED PIPELINE IMPACT	PIPELINE GENERALITY	PIPELINE ORIGINALITY	PIPELINE POWER	ADJUSTED PIPELINE POWER
1	Cisco Systems Inc., <i>U.S.</i>	1192	1.23	2.01	20%	2.01	1.14	0.99	3299	3299
2	Qualcomm Inc., <i>U.S.</i>	830	1.97	1.54	22%	1.54	1.23	1.02	3170	3170
3	Nokia Corp., <i>Finland</i>	814	1.15	1.34	6%	1.34	1.10	1.03	1429	1429
4	Avaya Inc., <i>U.S.</i>	208	2.54	1.72	25%	1.72	1.32	1.01	1209	1209
5	Motorola Solutions Inc., <i>U.S.</i>	527	1.12	1.49	6%	1.49	1.07	1.00	938	938
6	Telefonaktiebolaget LM Ericsson, <i>Sweden</i>	454	1.57	1.24	5%	1.24	0.96	1.03	869	869
7	Alcatel-Lucent, <i>France</i>	825	1.11	1.02	7%	1.02	0.89	1.03	862	862
8	Juniper Networks Inc., <i>U.S.</i>	221	1.52	2.23	23%	2.23	1.21	0.95	859	859
9	Motorola Mobility Holdings Inc., <i>U.S.</i>	126	3.00	1.62	5%	1.62	1.12	0.99	675	675
10	ADC Telecommunications Inc., <i>U.S.</i> (TE Connectivity Ltd.)	195	1.09	2.62	71%	1.55	1.09	0.88	316	534
11	Current Communications Group LLC, <i>U.S.</i>	20	1.67	4.20	50%	3.38	2.77	0.95	295	366
12	Corning Inc., <i>U.S.</i>	260	1.48	1.11	33%	1.08	0.84	0.98	342	353
13	Ciena Corp., <i>U.S.</i>	77	2.48	1.66	1%	1.66	0.92	1.00	293	293
14	Nortel Networks Patent Portfolio (sold to a consortium), <i>Canada*</i>	181	0.74	1.86	3%	1.86	1.11	1.02	280	280
15	Tekelec, <i>U.S.</i>	37	2.64	2.07	51%	1.65	1.53	0.84	207	261
16	Extreme Networks Inc., <i>U.S.</i>	34	1.62	3.53	13%	3.53	1.36	0.96	254	254
17	Huawei Technologies Co., <i>China</i>	280	3.00	0.57	11%	0.57	0.52	0.95	237	237
18	Finisar Corp., <i>U.S.</i>	134	1.04	1.05	32%	1.03	1.51	0.92	198	201
19	General Instrument Corp., <i>U.S.</i> (Motorola Mobility Holdings Inc.)	70	2.00	1.25	7%	1.25	1.07	0.99	185	185
20	ARRIS Group Inc., <i>U.S.</i>	28	2.15	2.12	1%	2.12	1.15	1.08	160	160

*Consortium members: Apple, EMC, Microsoft, Research in Motion, and Sony. Sale subject to approval by U.S. and Canadian courts.

COMMUNICATION/INTERNET SERVICES										
RANK	COMPANY/ORGANIZATION, COUNTRY (PARENT ORGANIZATION)	2010 U.S. PATENTS	PIPELINE GROWTH INDEX	PIPELINE IMPACT	SELF- CITATIONS	ADJUSTED PIPELINE IMPACT	PIPELINE GENERALITY	PIPELINE ORIGINALITY	PIPELINE POWER	ADJUSTED PIPELINE POWER
1	Yahoo! Inc., U.S.	292	2.34	3.62	9%	3.62	1.18	0.96	2789	2789
2	Google Inc., U.S.	283	1.93	3.29	23%	3.29	1.25	0.97	2165	2165
3	Verizon Communications Inc., U.S.	212	2.12	2.57	6%	2.57	1.23	1.05	1486	1486
4	AT&T Inc., U.S.	970	1.14	1.26	25%	1.26	0.90	1.00	1244	1244
5	Siemens AG, Germany	1701	1.27	0.65	19%	0.65	0.87	1.00	1220	1220
6	Research in Motion Ltd., Canada	529	1.59	1.24	24%	1.24	1.04	0.98	1064	1064
7	Sprint Nextel Corp., U.S.	350	1.59	1.22	14%	1.22	1.13	0.99	765	765
8	Nippon Telegraph and Telephone Corp., Japan	377	1.32	0.87	9%	0.87	0.86	1.04	388	388
9	Sony Ericsson Mobile Communications AB, Sweden	236	1.40	1.11	4%	1.11	0.97	1.03	369	369
10	NTT DoCoMo Inc., Japan (Nippon Telegraph and Telephone Corp.)	287	1.37	0.90	11%	0.90	0.87	1.04	320	320
11	Comverse Technology Inc., U.S.	34	3.00	2.11	16%	2.11	1.07	1.04	240	240
12	Comcast Corp., U.S.	39	2.17	1.84	8%	1.84	1.35	1.08	226	226
13	ZTE Corp., China	28	3.00	1.97	38%	1.81	1.13	0.80	137	149
14	Akamai Technologies Inc., U.S.	18	1.20	5.00	8%	5.00	1.18	1.03	132	132
15	InterDigital Inc., U.S.	151	0.80	0.88	24%	0.88	1.02	1.05	112	112
16	France Telecom SA, France	99	1.68	0.75	6%	0.75	0.77	1.03	99	99
17	SK Telecom Co., South Korea	55	3.00	0.73	0%	0.73	0.63	1.09	83	83
18	British Telecommunications PLC, United Kingdom (BT Group PLC)	54	1.08	1.33	5%	1.33	0.96	1.05	78	78
19	BT Group PLC, United Kingdom	55	1.06	1.33	5%	1.33	0.95	1.05	77	77
20	VeriSign, U.S.	15	1.00	2.56	3%	2.56	1.72	1.03	68	68

UNIVERSITIES/EDUCATION/TRAINING										
RANK	COMPANY/ORGANIZATION, COUNTRY (PARENT ORGANIZATION)	2010 U.S. PATENTS	PIPELINE GROWTH INDEX	PIPELINE IMPACT	SELF- CITATIONS	ADJUSTED PIPELINE IMPACT	PIPELINE GENERALITY	PIPELINE ORIGINALITY	PIPELINE POWER	ADJUSTED PIPELINE POWER
1	University of California, <i>U.S.</i>	395	1.44	0.96	13%	0.96	1.35	1.00	734	734
2	Massachusetts Institute of Technology, <i>U.S.</i>	190	1.35	1.45	26%	1.45	1.51	1.01	564	564
3	New York University, <i>U.S.</i>	75	1.92	1.46	15%	1.46	2.12	0.97	434	434
4	California Institute of Technology, <i>U.S.</i>	138	1.47	1.24	14%	1.24	1.69	1.01	431	431
5	Tsinghua University, <i>China</i>	130	2.10	0.90	41%	0.80	1.39	0.99	301	338
6	Columbia University, <i>U.S.</i>	84	1.68	1.47	23%	1.47	1.52	0.99	312	312
7	University of Texas, <i>U.S.</i>	141	1.23	1.11	16%	1.11	1.59	1.01	309	309
8	Georgia Institute of Technology, <i>U.S.</i>	82	1.78	1.34	15%	1.34	1.58	0.99	306	306
9	Stanford University, <i>U.S.</i>	174	1.43	1.04	12%	1.04	1.15	0.97	289	289
10	William Marsh Rice University (aka Rice University), <i>U.S.</i>	34	1.48	2.38	11%	2.38	2.29	1.02	279	279
11	University of Illinois, <i>U.S.</i>	94	1.38	1.10	35%	1.05	1.67	0.96	219	230
12	University of Washington, <i>U.S.</i>	84	1.56	1.22	24%	1.22	1.30	0.99	206	206
13	University of Southern California, <i>U.S.</i>	67	1.43	1.20	19%	1.20	1.63	1.03	193	193
14	University of South Florida, <i>U.S.</i>	88	2.32	0.60	28%	0.60	1.43	1.03	178	178
15	Clemson University, <i>U.S.</i>	32	3.00	0.93	22%	0.93	1.85	1.05	174	174
16	Northwestern University, <i>U.S.</i>	63	1.62	0.93	39%	0.85	1.78	1.00	154	169
17	Cornell University, <i>U.S.</i>	84	1.38	1.03	11%	1.03	1.24	1.01	149	149
18	Educational Testing Service, <i>U.S.</i>	14	2.80	1.77	21%	1.77	1.85	1.09	140	140
19	University of Michigan, <i>U.S.</i>	85	1.23	0.95	17%	0.95	1.33	1.04	137	137
20	University of Pennsylvania, <i>U.S.</i>	79	1.97	0.82	37%	0.76	1.03	0.99	121	131