

## Integer Patents Listing

The Integer commercially available products may be covered by one or more of the following patents:

### active medical implantable devices (AIMDs), medical or vascular devices or implants, recorders

US 8224417	US 10080897	DE 602012016489
US 8332046	US 10027157	DE 602013067018
US 8571667	US 10173051	DE 602013057031
US 8761892	US 10118030	DE 602013042668
US 8870857	US 10213603	DE 602014042196
US 8954144	US 10238877	DE 602017002673
US 8958890	US 10252047	DE 602017061156
US 8972026	US 10384054	FR 2488098
US 8996115	US 10487385	FR 2520327
US 9008747	US 10493297	FR 2705877
US 9031664	US 10603488	FR 2927334
US 9031666	US 10709870	FR 3053627
US 9039963	US10737085	FR 3272890
US 9101767	US 10813744	FR 3824793
US 9155861	US 10821290	GB 2488098
US 9248269	US 10912514	GB 2520327
US 9289151	US 11065456	GB 2705877
US 9314178	US 11147963	GB 2712654
US 9427584	US 11179109	GB 2927334
US 9517333	US 11291376	GB 3053627
US 9539422	US 11364365	GB 3272890
US 9610449	US 11559676	IE 2927334
US 9630231	US 11751987	IE 3272890
US 9636028	AT 2927334	IL 231795
US 9643027	AT 3272890	IL 253545
US 9656076	AU 2014201877	IT 2927334
US 9669217	CA 2847938	IT 3272890
US 9669227	CA 2974147	JP 6494172
US 9687165	CH 2488098	JP 6945370
US 9700736	CH 2712654	NL 2927334
US 9731116	CH 2927334	NL 3272890
US 9844660	CH 3272890	PL 29273340
US 9901266	CN 201080046331	PL 3272890
US 9907570	CN 201080052821	SE 2927334
US 9981137	CZ 2927334	SE 3272890
US 10034615	CZ 3272890	SG 180374
US 10052476	DE 602010014527	SG 180699

### anchors, adaptors and extensions

US 7553305	US 8886303	CA 2610586
US 7553305	US 8886303	CA 2610586
US 7904161	US 8886338	DE 602006033718
US 8311643	US 8934991	DE 602010001401
US 8437846	US 8958891	DE 602012000838
US 8483845	US 9026227	FR 1896108
US 8515558	US 9034000	FR 2275169
US 8540697	US 9259566	FR 2497528
US 8676341	US 9814458	GB 2497528
US 8688232	US 10357650	
US 8849418	US 10182807	
	US D582555	

### catheters

US 7497853	US 10260181	DE 602006023629
US 7588555	US 10292612	DE 602007023950
US 7615044	US 10821264	DE 602009003145
US 7678074	US 11357451	DE 602009014584
US 8206344	US 11357570	DE 602011033761
US 8308659	US 11666280	DE 602018000204
US 8790362	US 11717646	FR 1663372
US 9061120	US D638934	FR 1726326
US 9149607	US D653335	FR 1885427
US 9498602	US D653337	FR 2015823
US 9913684		FR 2116272
US 10155125	CA 2554549	FR 2135634
	DE 602004049403	FR 2438954
	DE 602006013814	FR 3375478

### chargers and charging

US 9142989	US 9750930	US 10312722
US 9209634	US 9866051	US 10468904
US 9225190	US 10103559	
	US 10236709	DE 602016019316

### coatings, lead electrode coatings

US 7079903	US 9623157	
US 7627382	US 9714361	DE 602009035785
US 7812691	US 10899944	DE 602010035753
US 8765113	US 11421189	DE 69941186
US 8948881	CA 2699085	FR 1997930
US 9039963	DE 602012021396	FR 2106812
US 9289540	DE 602004013217	FR 2251047
	DE 602006037850	FR 2540325
	DE 602007021420	IT 1997930

### electrochemical cells, batteries, capacitors, battery packs

US 6965510	US 9721730	CA 2546158
US 6967829	US 9786920	CA 2572006
US 6984468	US 9824829	CA 2787431
US 7026791	US 9825333	DE 602018031130
US 7038901	US 9875855	DE 602004047122
US 7072171	US 9899655	DE 602006018103
US 7085126	US 9978528	DE 602006012759
US 7092242	US 9954382	DE 602007015004
US 7108942	US 10020127	DE 602007023553
US 7116547	US 10038220	DE 602007032780
US 7252797	US 10109844	DE 602009014689
US 7271994	US 10109846	DE 602010001307
US 7273674	US 10141545	DE 602010017452
US 7483260	US 10224518	DE 602010058954
US 7531274	US 10263240	DE 602014010903
US 7586292	US 10403903	DE 602014019314
US 7688596	US 10461299	DE 602015077989
US 7710713	US 10581075	DE 602017010055
US 7727372	US 10629862	DE 602019002637
US 7776470	US 10727486	DE 602020016100
US 7808772	US 10770698	DE 602021003008
US 7882622	US 10790482	DE 60221771
US 7983022	US 10916740	FR 1508907
US 8067108	US 10957884	FR 1737005
US 8119276	US 11075377	FR 1793018
US 8133614	US 11075388	FR 1800775
US 8241788	US 11075421	FR 1816692
US 8252441	US 11114661	FR 1818957
US 8288035	US 11114714	FR 2099042
US 8580439	US 11130197	FR 2317591
US 8649140	US 11217397	FR 2802026
US 8685568	US 11217397	FR 2916413
US 8760851	US 11241184	FR 3319145
US 8790819	US 11251480	FR 3439077
US 8808892	US 11283076	FR 3509125
US 8871379	US 11450486	FR 3764435
US 8940443	US 11462363	FR 3937297
US 9013144	US 11509011	
US 9280654	US 11527795	
US 9293741	US 11581545	
US 9300007	US 11588171	
US 9312075	US 11670816	
US 9325029	US 11715868	
US 9355789	US 11735773	
US 9455448	US 11742520	
US 9478834	US D674747	
US 9496739	US RE47560	
	US RE48439	

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The Integer commercially available products may be covered by one or more of the following patents:

<b>connectors</b>		
US 7422487	DE 602012037504	
US 7585190		
US 8731670		
US 8670843		
US 9427571		
US 10587073		
<b>device headers</b>		
US 8369951	US 9166321	DE 602010030016
US 8428724	US 9314619	DE 602012001455
US 8494636	US 9492666	DE 602012005479
US 8521290	US 9931513	DE 602012042072
US 8527054	US 10047782	FR 2448629
US 8738141	US D663035	FR 2497527
US 8934974	US D665086	FR 2517756
US 9037243	US D665087	FR 2905050
US 9065224		GB 2448629
US 9068587		GB 2497527
US 9138586		GB 2517756
		GB 2905050
<b>dilators, drivers, elevators, measuring probes, needles, retractors</b>		
US 9358039		
US 9533120		
US 10244956		
US 10413707		
DE 602012003381		
DE 602013009509		
FR 2497434		
FR 2662108		
GB 2497434		
<b>guidewires, inserters and introducers</b>		
US 7151965	US 9517323	DE 602005025133
US 7192433	US 9572957	DE 602005050596
US 7544197	US 9757542	DE 602008043016
US 7789839	US 9802026	DE 602010027060
US 7909798	US 9842686	DE 602012073778
US 7972307	US 9844644	DE 602013071159
US 7993305	US 9974930	DE 602014073822
US 8092395	US 10052489	DE 602015058948
US 8101091	US 10548489	DE 602015062717
US 8123726	US 10933224	DE 602018000834
US 8137317	US 11086073	DE 602019033400
US 8262671	US 11278701	DE 602020005553
US 8357122	US 11426560	FR 1620164
US 8540675	US 11464421	FR 1781365
US 8721659	US 11471652	FR 1977782
US 8753313	US 11553854	FR 2480282
US 8805468	US 11585706	FR 3212069
US 8974420	US 11717640	FR 3398646
US 9067056	US D576276	FR 3598938
US 9320888	CA 2575055	FR 3730179
US 9345854	CA 2575103	IE 1651301
US 9387323	CA 2626618	JP 4681551
US 9446219	CN 201080045698	JP 5139798
	DE 60329228	JP 5886202
	DE 602004005845	
	DE 602004027050	
<b>lids and enclosures</b>		
US 7167749	DE 602004029226	
US 7168142	DE 602005048934	
US 9630231	FR 1522838	
US 11331501	FR 1592031	
	FR 2043178	

<b>filters, feedthroughs, filtered feedthroughs and assemblies</b>		
US 7012192	US 10249415	DE 602004042557
US 7136273	US 10272252	DE 602006012759
US 7145076	US 10272253	DE 602009026822
US 7199995	US 10283275	DE 602009028638
US 7551963	US 10350421	DE 602009049503
US 7623335	US 10420949	DE 602012079407
US 7797048	US 10443975	DE 602013019912
US 8179658	US 10500402	DE 602013048318
US 8195295	US 10559409	DE 602013051283
US 8422195	US 10561837	DE 602013084519
US 8433410	US 10583302	DE 602017006932
US 8457760	US 10587073	DE 602017011902
US 8468664	US 10589107	DE 602017035037
US 8855768	US 10596369	DE 602018010491
US 8868189	US 10722706	DE 602018044417
US 8938309	US 10857368	FR 1191556
US 9008799	US 10857369	FR 1484085
US 9014808	US 10874866	FR 1743347
US 9031670	US 10881867	FR 3299062
US 9064640	US 10905888	FR 3366348
US 9233253	US 10912945	FR 3449973
US 9251960	US 10967191	FR 3505215
US 9352150	US 11011787	
US 9427596	US 11013928	
US 9463329	US 11071858	
US 9492659	US 11241581	
US 9511220	US 11344734	
US 9692173	US 11351387	
US 9757558	US 11406817	
US 9764129	US 11541233	
US 9889306	US 11633612	
US 9895534	US 11648409	
US 9931514	US 11712571	
US 9993650	US RE46699	
US 10016595	US RE47624	
US 10016596	US RE48348	
US 10046166		
US 10080889		
US 10092749		
US 10099051		
US 10124164		
<b>handles and trays</b>		
US 10039897	US D708740	US D940306
US D582555	US D718437	US D940307
<b>imaging, MRI conditional</b>		
US 7844319	US 8897887	DE 602010004790
US 7853324	US 8903505	DE 602011024831
US 8180448	US 8918189	DE 602010067192
US 8224440	US 9042999	DE 602010067277
US 8224462	US 9119968	FR 2305344
US 8244370	US 9254377	
US 8301243	US 9295828	
US 8311628	US 9827415	
US 8463375		
US 8649857		
US 8670841		

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The Integer commercially available products may be covered by one or more of the following patents:

<i>implantable leads, pacing leads, percutaneous leads, temporary leads, lead electrodes</i>		
US 7120504	US 9071221	DE 602008008872
US 7197361	US 9089693	DE 602009013119
US 7421295	US 9095700	DE 602010014372
US 7467017	US 9117680	DE 602012002207
US 7640064	US 9192757	DE 602012003395
US 7702398	US 9234920	DE 602012042949
US 7729781	US 9259570	DE 602013008149
US 7844348	US 9259577	DE 602014019314
US 7941202	US 9265928	DE 602014042681
US 7957818	US 9289142	FR 1912700
US 8090450	US 9295832	FR 1935449
US 8150536	US 9597492	FR 2004280
US 8160719	US 9656054	FR 2008686
US 8224463	US 9717900	FR 2138203
US 8241950	US 9775984	FR 2263741
US 8244376	US 9775985	FR 2540339
US 8260435	US 9782587	FR 2564892
US 8386054	US 9849278	FR 2564896
US 8473074	US 9872988	FR 2634588
US 8498720	US 10035012	FR 2808053
US 8543223	US 10188857	FR 2886155
US 8548603	US 10219715	GB 2540339
US 8554337	US 10226617	GB 2564892
US 8560084	US 10245434	GB 2564896
US 8565894	US 10518083	GB 2808053
US 8634932	US 10661077	GB 2886155
US 8644953	US 10791945	IE 2808053
US 8649878	AT 2808053	IE 2886155
US 8658465	AT 2886155	IL 232460
US 8676346	AU 2014202893	IL 235503
US 8676347	AU 2020202344	IL 246052
US 8685040	AU 2021201430	IT 2886155
US 8703537	CA 2636733	JP 6494270
US 8738153	CA 2850878	JP 6770833
US 8781603	CA 2869873	JP 6941414
US 8798768	CA 2932272	NL 2808053
US 8800140	CH 2808053	NL 2886155
US 8825177	CH 2886155	PL 2808053
US 8868210	CN 101583309	PL 2886155
US 8874235	CZ 2808053	SE 2808053
US 8941390	CZ 2886155	SE 2886155
US 8942821	DE 602006046881	SG 193136
US 8958862	DE 602007017947	IT 2808053
	DE 602007037016	

<i>programmers and software</i>		
US 8483836	US 9744347	DE 602012018878
US 8549015	US 9750946	DE 602013029019
US 8757485	US 9764128	DE 602013026066
US 8761897	US 9767255	DE 602013056724
US 8868199	US 9776007	DE 602016004695
US 8874219	US 9782587	DE 602016008591
US 8903496	US 9827424	FR 2508224
US 8954148	US 9861822	FR 2508226
US 8983616	US 9931511	FR 2529786
US 8996117	US 9943691	FR 2548612
US 9067074	US 9974108	FR 2567729
US 9126043	US 10052490	FR 2567730
US 9174048	US 10076667	FR 2567731
US 9180302	US 10083261	FR 2567732
US 9248292	US 10118037	FR 2703040
US 9314640	US 10124171	FR 2705876
US 9358390	US 10141076	FR 2706477
US 9375567	US 10159843	FR 3103507
US 9375574	US 10279181	FR 3103515
US 9375582	US 10347381	GB 2508224
US 9421386	US 10376701	GB 2508226
US 9433790	US 10456574	GB 2529786
US 9452294	US 10463852	GB 2548612
US 9471753	US 10668276	GB 2567729
US 9504830	US 11666766	GB 2567730
US 9507912	US D575628	GB 2567731
US 9555255	US D671900	GB 2567732
US 9592385	US D698779	GB 2703040
US 9594877	DE 602012053085	GB 2705876
US 9596224	DE 602012036855	GB 2706477
US 9610449	DE 602012040272	GB 3103507
US 9615788	DE 602012045547	GB 3103515
US 9662503	DE 602012045548	
	DE 602012040016	

<i>joining, forming, cutting, machining, printing, 3D printing</i>		
US 9399262		DE 602012029697
US 11355820		DE 602012073450
US 11651873		
		FR 4108294
<b>RF Switch</b>		
US 10625084	DE 602019005506	FR 3900780
US 10828498	DE 602020008222	
<b>Magnet Mode</b>		
	US 11571580	
<b>surgical tools, cutters, cutting fixtures, impactors, reamers, tunneling</b>		
US 9381030	DE 602012049370	FR 2564893
US 9848949	DE602013051705	FR 2662039
US 10918394		GB 2564893
US 10918394		
<b>wireless</b>		
US 8700175	US 9154219	DE 602012011723
US 8781592	US 9322678	DE 602015026981
US 8812125	US 9729188	DE 602016014742
US 9002466	US 11081274	FR 2529789
US 9072903	US 9755456	GB 2529789
US 9084881	US 9842686	
US 9098610		
US 9144680		