

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 397

DATE: 1 AUGUST 2017

PROJECT RP0002

The following classification changes will be effected by this Notice of Changes:

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
Symbols deleted:	A61N	2001/086
	A61N	2001/34
	A61N	1/36032
	A61N	1/36035
	A61N	2001/36039
Symbols newly created:	A61N	1/086
	A61N	1/36002
	A61N	1/3603
	A61N	1/36031
	A61N	1/36034
	A61N	1/36036
	A61N	1/36038
	A61N	1/36039
	A61N	1/3604
	A61N	1/36062
	A61N	1/3614
	A61N	1/3629
	A61N	1/36842
	A61N	1/36843
	A61N	1/37254
	A61N	1/37512
	A61N	1/37514
	A61N	1/37516
	A61N	1/37518
	A61N	1/3904
	A61N	1/39044
	A61N	1/39046
	A61N	1/39622
	A61N	1/39624
Title wording change:	A61N	1/08
	A61N	2001/083
	A61N	1/36
	A61N	1/36067
	A61N	1/36075
	A61N	1/36078
	A61N	1/36082
	A61N	1/36085
	A61N	1/36089

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	A61N	1/36096
	A61N	1/36103
	A61N	1/36107
	A61N	1/36111
	A61N	1/36121
	A61N	1/36135
	A61N	1/36153
	A61N	1/36157
	A61N	1/36164
	A61N	1/36175
	A61N	1/36189
	A61N	1/3627
	A61N	1/3628
	A61N	1/36521
	A61N	1/3684
	A61N	1/3702
	A61N	1/3706
	A61N	1/3712
	A61N	1/37247
	A61N	1/37252
	A61N	1/38
	A61N	1/3962
New Definitions :	A61N	1/086
	A61N	1/3603
	A61N	1/3604
	A61N	1/3614
	A61N	1/3629
	A61N	1/3684
	A61N	1/3904
	A61N	1/3962
	A61N	1/36002
	A61N	1/36031
	A61N	1/36034
	A61N	1/36036
	A61N	1/36038
	A61N	1/36039
	A61N	1/36062
	A61N	1/36842
	A61N	1/36843
	A61N	1/37254
	A61N	1/37512
	A61N	1/37514
	A61N	1/37516
	A61N	1/37518
	A61N	1/39044
	A61N	1/39046
	A61N	1/39622
	A61N	1/39624

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
Modified Definitions:	A61N	1/08
	A61N	1/36
	A61N	1/372
Scheme Warning Notices to be added:	A61N	1/08
	A61N	2001/083
	A61N	1/36
	A61N	1/36002
	A61N	1/36014
	A61N	1/3603
	A61N	1/36031
	A61N	1/36034
	A61N	1/36036
	A61N	1/36038
	A61N	1/3606
	A61N	1/36062
	A61N	1/36135
	A61N	1/3614
	A61N	1/36153
	A61N	1/36157
	A61N	1/3616
	A61N	1/362
	A61N	1/3629
	A61N	1/3684
	A61N	1/36842
	A61N	1/36843
	A61N	1/37252
	A61N	1/37254
	A61N	1/375
	A61N	1/37512
	A61N	1/37514
	A61N	1/37516
	A61N	1/37518
	A61N	1/39
	A61N	1/3904
	A61N	1/39044
	A61N	1/39046
	A61N	1/3962
	A61N	1/39622
	A61N	1/39624

The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL):

A61B, A61F, A61M, H04R

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This Notice of Changes includes the following *[Check the ones included]:*

1. CLASSIFICATION SCHEME CHANGES
 - A. New, Modified or Deleted Group(s)
 - B. New, Modified or Deleted Warning Notice(s)
 - C. New, Modified or Deleted Note(s)
 - D. New, Modified or Deleted Guidance Heading(s)
2. DEFINITIONS (New or Modified)
 - A. DEFINITIONS (Full definition template)
 - B. DEFINITIONS (Definitions Quick Fix)
3. REVISION CONCORDANCE LIST (RCL)
4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5. CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS A61N - ELECTROTHERAPY; MAGNETOTHERAPY; RADIATION THERAPY; ULTRASOUND THERAPY

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
C	A61N1/08	2	Arrangements or circuits for monitoring, protecting, controlling or indicating {(for external stimulators A61N1/3603; for implantable neurostimulators A61N1/36128; for heart stimulators A61N1/37; for defibrillators A61N1/3925)}	A61N1/08, A61N1/3603
C	A61N2001/083	3	{Monitoring integrity of contacts, e.g. by impedance measurement}	A61N2001/083, A61N1/3603
N	A61N1/086	3	{Magnetic resonance imaging [MRI] compatible leads}	
D	A61N2001/086	3		<administrative transfer to A61N1/086>
D	A61N2001/34	3		<administrative transfer to A61N1/36021>
C	A61N1/36	3	for stimulation	A61N1/36, A61N1/36002
N	A61N1/36002	4	{Cancer treatment, e.g. tumour}	
U	A61N1/36003	4	{of motor muscles, e.g. for walking assistance}	
C	A61N1/36014	4	{External stimulators, e.g. with patch electrodes (external pacemakers A61N1/3625)}	A61N1/36014, A61N1/3603, A61N1/36031, A61N1/36034
U	A61N1/36017	5	{with leads or electrodes penetrating the skin}	
E	A61N1/36021	5	{for treatment of pain}	
E	A61N1/36025	5	{for treating a mental or cerebral condition}	
U	A61N1/36028	6	{for aversion therapy}	

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N	A61N1/3603	5	{ Control systems }	
D	A61N1/36032	4		<administrative transfer to A61N1/36036>
N	A61N1/36031	6	{ using physiological parameters for adjustment }	
N	A61N1/36034	6	{ specified by the stimulation parameters }	
D	A61N1/36035	4		<administrative transfer to A61N1/3604>
Q	A61N1/36036	4	{ of the outer, middle or inner ear }	A61N1/36036, A61N1/36038, A61N1/36039
N	A61N1/36038	5	{ Cochlear stimulation }	
N	A61N1/36039	6	{ fitting procedures }	
D	A61N2001/36039	4		<administrative transfer to A61N1/36025 >
N	A61N1/3604	4	{ for correcting spinal deformities, e.g. scoliosis }	
U	A61N1/36042	4	{ of grafted tissue, e.g. skeletal muscle }	
C	A61N1/3606	5	{ adapted for a particular treatment }	A61N1/3606, A61N1/36062
N	A61N1/36062	6	{ Spinal stimulation }	
U	A61N1/36064	6	{ Epilepsy }	
M	A61N1/36067	6	{ Movement disorders, e.g. tremor or Parkinson disease (stimulating motor muscle A61N1/36003) }	
M	A61N1/36075	7	{ Headache or migraine }	
M	A61N1/36078	6	{ Inducing or controlling sleep or relaxation (non-implantable stimulator A61M 21/00) }	
M	A61N1/36082	6	{ Cognitive or psychiatric applications, e.g. dementia or Alzheimer's disease }	
M	A61N1/36085	7	{ Eating disorders or obesity }	
M	A61N1/36089	7	{ Addiction or withdrawal from substance abuse such as alcohol or drugs }	
M	A61N1/36096	7	{ Mood disorders, e.g. depression, anxiety or panic disorder }	

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M	A61N1/36103	6	{Neuro-rehabilitation; Repair or reorganisation of neural tissue, e.g. after stroke}	
M	A61N1/36107	6	{Sexual dysfunction (stimulating genital organs A61N1/36007)}	
M	A61N1/3611	6	{Respiration control (stimulating respiratory organs A61N1/3601)}	
M	A61N1/36121	6	{Production of neurotransmitters; Modulation of genes expression}	
C	A61N1/36135	6	{using physiological parameters}	A61N1/36135, A61N1/3614
U	A61N1/36139	7	{with automatic adjustment}	
N	A61N1/3614	7	{based on impedance measurement}	
U	A61N1/36142	6	{for improving safety}	
C	A61N1/36153	8	{Voltage (A61N1/3616 takes precedence)}	A61N1/36153, A61N1/3616
C	A61N1/36157	8	{Current (A61N1/3616 takes precedence)}	A61N1/36157, A61N1/3616
E	A61N1/3616	8	{Voltage density or current density}	
M	A61N1/36164	8	{Sub-threshold or non-excitatory signals (non-excitatory signals to the heart A61N1/3628)}	
M	A61N1/36175	8	{Pulse width or duty cycle}	
M	A61N1/36189	6	{using modulation techniques}	
C	A61N1/362	4	Heart stimulators (heart defibrillators A61N1/39)	A61N1/362, A61N1/3629
M	A61N1/3627	5	{for treating a mechanical deficiency of the heart, e.g. congestive heart failure or cardiomyopathy}	
M	A61N1/3628	5	{using sub-threshold or non-excitatory signals}	
N	A61N1/3629	5	{in combination with non-electric therapy}	
U	A61N1/365	5	controlled by a physiological parameter, e.g. heart potential {(evoked response A61N1/371)}	
M	A61N1/36521	7	{the parameter being derived from measurement of an electrical impedance}	

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U	A61N1/36528	7	{ the parameter being measured by means of ultrasound }	
U	A61N1/36535	7	{ controlled by body position or posture }	
U	A61N1/36542	7	{ controlled by body motion, e.g. acceleration }	
U	A61N1/3655	7	{ controlled by body or blood temperature }	
U	A61N1/36557	7	{ controlled by chemical substances in blood }	
U	A61N1/36564	7	{ controlled by blood pressure }	
U	A61N1/36571	7	{ controlled by blood flow rate, e.g. blood velocity or cardiac output }	
U	A61N1/36578	7	{ controlled by mechanical motion of the heart wall, e.g. measured by an accelerometer or microphone }	
U	A61N1/36585	6	{ controlled by two or more physical parameters }	
U	A61N1/36592	6	{ controlled by the heart rate variability }	
U	A61N1/368	6	comprising more than one electrode co-operating with different heart regions {(A61N1/3622, A61N1/3627 take precedence)}	
U	A61N1/3682	7	{ with a variable atrioventricular delay }	
C	A61N1/3684	7	{ for stimulating the heart at multiple sites of the ventricle or the atrium }	A61N1/3684, A61N1/36842, A61N1/36843
N	A61N1/36842	8	{ Multi-site stimulation in the same chamber }	
N	A61N1/36843	8	{ Bi-ventricular stimulation }	
U	A61N1/3686	7	{ configured for selecting the electrode configuration on a lead (A61N1/3688 takes precedence) }	
U	A61N1/3688	7	{ configured for switching the pacing mode, e.g. from AAI to DDD }	
U	A61N1/37	5	Monitoring; Protecting	

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M	A61N1/3702	6	{ Physiological parameters (A61N1/365 takes precedence; evoked response A61N1/371)}	
U	A61N1/3704	7	{ Circuits specially adapted therefor, e.g. for sensitivity control}	
M	A61N1/3706	6	{ Pacemaker parameters (stimulation threshold A61N1/371)}	
U	A61N1/3708	7	{ for power depletion}	
U	A61N1/371	6	{ Capture, i.e. successful stimulation}	
M	A61N1/3712	7	{ Auto-capture, i.e. automatic adjustment of the stimulation threshold}	
U	A61N1/3714	8	{ Atrial capture}	
U	A61N1/3716	7	{ with reduction of residual polarisation effects}	
U	A61N1/3718	6	{ Monitoring of or protection against external electromagnetic fields or currents}	
U	A61N1/372	4	Arrangements in connection with the implantation of stimulators	
U	A61N1/37205	5	{ Microstimulators, e.g. implantable through a cannula}	
U	A61N1/37211	5	{ Means for communicating with stimulators}	
U	A61N1/37217	6	{ characterised by the communication link, e.g. acoustic or tactile}	
U	A61N1/37223	7	{ Circuits for electromagnetic coupling}	
U	A61N1/37229	8	{ Shape or location of the implanted or external antenna}	
U	A61N1/37235	6	{ Aspects of the external programmer}	
U	A61N1/37241	7	{ providing test stimulations}	
M	A61N1/37247	7	{ User interfaces, e.g. input or presentation means}	
C	A61N1/37252	6	{ Details of algorithms or data aspects of communication system, e.g. handshaking, transmitting specific data or segmenting data}	A61N1/37252, A61N1/37254

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N	A61N1/37254	7	{Pacemaker or defibrillator security, e.g. to prevent or inhibit programming alterations by hackers or unauthorised individuals }	
U	A61N1/37258	7	{Alerting the patient }	
U	A61N1/37264	7	{Changing the program; Upgrading firmware }	
U	A61N1/3727	7	{ characterised by the modulation technique }	
U	A61N1/37276	7	{ characterised by means for reducing power consumption during telemetry }	
U	A61N1/37282	7	{ characterised by communication with experts in remote locations using a network }	
U	A61N1/37288	7	{ Communication to several implantable medical devices within one patient }	
C	A61N1/375	5	Constructional arrangements, e.g. casings	A61N1/375, A61N1/37512, A61N1/37514, A61N1/37516, A61N1/37518
N	A61N1/37512	6	{Pacemakers }	
N	A61N1/37514	6	{Brain implants }	
N	A61N1/37516	6	{Intravascular implants }	
N	A61N1/37518	6	{Anchoring of the implants, e.g. fixation }	
U	A61N1/3752	6	{Details of casing-lead connections }	
U	A61N1/3754	7	{Feedthroughs }	
U	A61N1/3756	6	{Casings with electrodes thereon, e.g. leadless stimulators }	
U	A61N1/3758	6	{Packaging of the components within the casing }	
U	A61N1/378	5	Electrical supply	
U	A61N1/3782	6	{producing a voltage above the power source level }	
U	A61N1/3785	6	{generated by biological activity or substance, e.g. body movement }	

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U	A61N1/3787	6	{ from an external energy source }	
M	A61N1/38	3	for producing shock effects	
U	A61N1/385	4	{ Devices for inducing an abnormal cardiac function, e.g. fibrillation }	
C	A61N1/39	4	Heart defibrillators	A61N1/39, A61N1/3904, A61N1/39044, A61N1/39046
N	A61N1/3904	5	{ External heart defibrillators [EHD] }	
N	A61N1/39044	6	{ in combination with cardiopulmonary resuscitation [CPR] therapy }	
N	A61N1/39046	6	{ User protection from shock }	
U	A61N1/3906	5	{ characterised by the form of the shockwave }	
U	A61N1/3912	6	{ Output circuitry therefor, e.g. switches }	
U	A61N1/3918	5	{ characterised by shock pathway, e.g. by electrode configuration }	
U	A61N1/3925	5	{ Monitoring; Protecting }	
U	A61N1/3931	6	{ Protecting, e.g. back-up systems }	
U	A61N1/3937	6	{ Monitoring output parameters }	
U	A61N1/3943	7	{ for threshold determination }	
U	A61N1/395	5	{ for treating atrial fibrillation }	
U	A61N1/3956	5	{ Implantable devices for applying electric shocks to the heart, e.g. for cardioversion }	
C	A61N1/3962	6	{ in combination with another heart therapy }	A61N1/3962, A61N1/39622, A61N1/39624
N	A61N1/39622	7	{ Pacing therapy }	
N	A61N1/39624	7	{ Pain reduction therapy }	
U	A61N1/3968	5	{ Constructional arrangements, e.g. casings (A61N1/375 takes precedence) }	
U	A61N1/3975	5	{ Power supply (A61N1/378 takes precedence) }	
U	A61N1/3981	6	{ High voltage charging circuitry }	

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U	A61N1/3987	5	{ characterised by the timing or triggering of the shock }	
U	A61N1/3993	5	{ User interfaces for automatic external defibrillators }	

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; E= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types except “D” which requires only a symbol.
- #“Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “<administrative transfer to XX>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

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B. New, Modified or Deleted Warning notice(s)

**SUBCLASS A61N - ELECTROTHERAPY; MAGNETOTHERAPY; RADIATION THERAPY;
ULTRASOUND THERAPY**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	A61N1/08		Group A61N1/08 is impacted by reclassification into group A61N1/3603. Groups A61N1/08 and A61N1/3603 should be considered in order to perform a complete search.
N	A61N2001/083		Group A61N2001/083 is impacted by reclassification into group A61N1/3603. Groups A61N2001/083 and A61N1/3603 should be considered in order to perform a complete search.
N	A61N1/36		Group A61N1/36 is impacted by reclassification into group A61N1/36002. Groups A61N1/36 and A61N1/36002 should be considered in order to perform a complete search.
N	A61N1/36002		Group A61N1/36002 is incomplete pending reclassification of documents from group A61N1/36. Groups A61N1/36002 and A61N1/36 should be considered in order to perform a complete search.
N	A61N1/36014		Group A61N1/36014 is impacted by reclassification into groups A61N1/3603, A61N1/36031 and A61N1/36034. All groups listed in this Warning should be considered in order to perform a complete search.
N	A61N1/3603		Group A61N1/3603 is incomplete pending reclassification of documents from groups A61N1/08, A61N2001/083 and A61N1/36014. All groups listed in this Warning should be considered in order to perform a complete search.
N	A61N1/36031		Group A61N1/36031 is incomplete pending reclassification of documents from group A61N1/36014. Groups A61N1/36031 and A61N1/36014 should be considered in order to perform a complete search.
N	A61N1/36034		Group A61N1/36034 is incomplete pending reclassification of documents from group A61N1/36014. Groups A61N1/36034 and A61N1/36014 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	A61N1/36036		Group A61N1/36036 is impacted by reclassification into groups A61N1/36038 and A61N1/36039. Groups A61N1/36036, A61N1/36038 and A61N1/36039 should be considered in order to perform a complete search.
N	A61N1/36038		Groups A61N1/36038 and A61N1/36039 are incomplete pending reclassification of documents from group A61N1/36036. Groups A61N1/36036, A61N1/36038 and A61N1/36039 should be considered in order to perform a complete search
N	A61N1/3606		Group A61N1/3606 is impacted by reclassification into group A61N1/36062. Groups A61N1/3606 and A61N1/36062 should be considered in order to perform a complete search.
N	A61N1/36062		Group A61N1/36062 is incomplete pending reclassification of documents from group A61N1/3606. Groups A61N1/36062 and A61N1/3606 should be considered in order to perform a complete search
N	A61N1/36135		Group A61N1/36135 is impacted by reclassification into group A61N1/3614. Groups A61N1/36135 and A61N1/3614 should be considered in order to perform a complete search.
N	A61N1/3614		Group A61N1/3614 is incomplete pending reclassification of documents from group A61N1/36135. Groups A61N1/3614 and A61N1/36135 should be considered in order to perform a complete search
N	A61N 1/36153		Group A61N 1/36153 is impacted by reclassification into group A61N 1/3616. Groups A61N 1/36153 and A61N 1/3616 should be considered in order to perform a complete search.
N	A61N 1/36157		Group A61N 1/36157 is impacted by reclassification into group A61N 1/3616. Groups A61N 1/36157 and A61N 1/3616 should be considered in order to perform a complete search.
N	A61N 1/3616		Group A61N 1/3616 is incomplete pending reclassification of documents from groups A61N 1/36153 and A61N 1/36157. Groups A61N 1/3616, A61N 1/36153, and A61N 1/36157 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	A61N1/362		Group A61N1/362 is impacted by reclassification into group A61N1/3629. Groups A61N1/362 and A61N1/3629 should be considered in order to perform a complete search.
N	A61N1/3629		Group A61N1/3629 is incomplete pending reclassification of documents from group A61N1/362. Groups A61N1/3629 and A61N1/362 should be considered in order to perform a complete search
N	A61N1/3684		Group A61N1/3684 is impacted by reclassification into groups A61N1/36842 and A61N1/36843. Groups A61N1/3684, A61N1/36842 and A61N1/36843 should be considered in order to perform a complete search.
N	A61N1/36842		Group A61N1/36842 is incomplete pending reclassification of documents from group A61N1/3684. Groups A61N1/36842 and A61N1/3684 should be considered in order to perform a complete search.
N	A61N1/36843		Group A61N1/36843 is incomplete pending reclassification of documents from group A61N1/3684. Groups A61N1/36843 and A61N1/3684 should be considered in order to perform a complete search.
N	A61N1/37252		Group A61N1/37252 is impacted by reclassification into group A61N1/37254. Groups A61N1/37252 and A61N1/37254 should be considered in order to perform a complete search.
N	A61N1/37254		Group A61N1/37254 is incomplete pending reclassification of documents from group A61N1/37252. Groups A61N1/37254 and A61N1/37252 should be considered in order to perform a complete search.
N	A61N1/375		Group A61N1/375 is impacted by reclassification into groups A61N1/37512, A61N1/37514, A61N1/37516 and A61N1/37518. All groups listed in this Warning should be considered in order to perform a complete search.
N	A61N1/37512		Group A61N1/37512 is incomplete pending reclassification of documents from group A61N1/375. Groups A61N1/37512 and A61N1/375 should be considered in order to perform a complete search.
N	A61N1/37514		Group A61N1/37514 is incomplete pending reclassification of documents from group A61N1/375. Groups A61N1/37514

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			and A61N1/375 should be considered in order to perform a complete search.
N	A61N1/37516		Group A61N1/37516 is incomplete pending reclassification of documents from group A61N1/375. Groups A61N1/37516 and A61N1/375 should be considered in order to perform a complete search.
N	A61N1/37518		Group A61N1/37518 is incomplete pending reclassification of documents from group A61N1/375. Groups A61N1/37518 and A61N1/375 should be considered in order to perform a complete search.
N	A61N1/39		Group A61N1/39 is impacted by reclassification into groups A61N1/3904, A61N1/39044 and A61N1/39046. All groups listed in this Warning should be considered in order to perform a complete search.
N	A61N1/3904		Group A61N1/3904 is incomplete pending reclassification of documents from group A61N1/39. Groups A61N1/3904 and A61N1/39 should be considered in order to perform a complete search.
N	A61N1/39044		Group A61N1/39044 is incomplete pending reclassification of documents from group A61N1/39. Groups A61N1/39044 and A61N1/39 should be considered in order to perform a complete search.
N	A61N1/39046		Group A61N1/39046 is incomplete pending reclassification of documents from group A61N1/39. Groups A61N1/39046 and A61N1/39 should be considered in order to perform a complete search.
N	A61N1/3962		Group A61N1/3962 is impacted by reclassification into groups A61N1/39622 and A61N1/39624. Groups A61N1/3962, A61N1/39622 and A61N1/39624 should be considered in order to perform a complete search.
N	A61N1/39622		Group A61N1/39622 is incomplete pending reclassification of documents from group A61N1/3962. Groups A61N1/39622 and A61N1/3962 should be considered in order to perform a complete search.
N	A61N1/39624		Group A61N1/39624 is incomplete pending reclassification of documents from group A61N1/3962. Groups A61N1/39624 and A61N1/3962 should be considered in order to perform a complete search.

*N = new warning, M = modified warning, D = deleted warning

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NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

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2. A. DEFINITIONS (new)

A61N 1/086

{Magnetic Resonance Imaging [MRI] compatible leads}

Definition statement

This place covers:

Leads (both implantable and external) having features that mitigate the effects of unwanted electric currents induced by a Magnetic Resonance Imaging [MRI] device or field.

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A61N 1/36002

{Cancer treatment, e.g. tumour}

Definition statement

This place covers:

Covers devices (both implanted and external to the body) that treat cancer by electrical stimulation.

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A61N 1/3603

{Control Systems}

Definition statement

This place covers:

Covers features of control systems used by electrical stimulation devices that are external to the body (e.g. switches/buttons used for controlling TENS devices, control displays for pain relief devices, controlling modes of operation for muscle stimulators, algorithms/flow charts for controlling external stimulation devices, etc.).

DATE: 1 AUGUST 2017

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A61N 1/36031

{using physiological parameters for adjustment}

Definition statement

This place covers:

Device control systems under [A61N1/3603](#), which adjust therapeutic electrical stimulation based upon at least one sensed physiological parameter.

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A61N 1/36034

{specified by the stimulation parameters}

Definition statement

This place covers:

Device control systems under [A61N1/3603](#), which are characterised by their stimulation parameters (e.g. frequency, amplitude, pulse width, multiphasic, combination of waveforms, etc.).

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A61N 1/36036

{of the outer, middle or inner ear}

Definition statement

This place covers:

Covers therapeutic devices that electrically stimulate portions of a patient's outer, middle, or inner ear.

DATE: 1 AUGUST 2017

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A61N 1/36038

{Cochlear stimulation}

Definition statement

This place covers:

Devices under [A61N1/36036](#) that electrically stimulate a patient's cochlea.

DATE: 1 AUGUST 2017

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A61N 1/36039

{fitting procedures}

Definition statement

This place covers:

Devices and methods used for fitting a patient with a cochlear stimulation device or setting a cochlea stimulation parameter (as described in [A61N1/36038](#)) (This subgroup is intended for devices having more than a general mention of fitting or stimulation parameters).

DATE: 1 AUGUST 2017

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A61N1/3604

{for correcting spinal deformities, e.g. scoliosis}

Definition statement

This place covers:

Electrical stimulation devices used for correcting spinal deformities.

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A61N1/36062

{Spinal stimulation}

Definition statement

This place covers:

Includes implantable neurostimulation devices and associated methods used to perform spinal stimulation (as described in [A61N1/3605](#)).

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A61N1/3614

{based on impedance measurement}

Definition statement

This place covers:

Control systems for implantable neural stimulation devices (under [A61N1/3605](#)) which measure impedance (This subgroup is intended for devices having more than a general mention of impedance).

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A61N1/3629

{in combination with non-electric therapy}

Definition statement

This place covers:

Heart stimulation devices (e.g. pacemakers) under ([A61N1/362](#)) which also include an additional non-electric therapy to the heart or other body area (e.g. drug therapy, nanotherapy, gene therapy, etc.).

DATE: 1 AUGUST 2017

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A61N1/3684

{for stimulating the heart at multiple sites of the ventricle or the atrium}

Definition statement

This place covers:

Heart stimulation devices under [A61N1/368](#), which include dual chamber pacemakers (e.g. pacers using DDD modes of operation) and pacing devices that electrically stimulate multiple sites within the 4 chambers of the heart.

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PROJECT RP0002

A61N1/36842

{Multi-site stimulation in the same chamber}

Definition statement

This place covers:

Covers heart stimulation devices under [A61N1/3684](#) having more than one stimulation site within the same heart chamber (e.g. two stimulation electrodes in the right ventricle that deliver separate and/or different stimulation to each electrode, etc.).

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A61N1/36843

{Bi-ventricular stimulation}

Definition statement

This place covers:

Covers heart stimulation devices which stimulate both the right ventricle [RV] and the left ventricle [LV].

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A61N1/37254

{Pacemaker or defibrillator security, e.g. to prevent or inhibit programming alterations by hackers or unauthorised individuals}

Definition statement

This place covers:

Devices and methods used to provide security (both programming and physical) for electrical stimulation devices (in particular pacemakers and defibrillators) to combat hackers and other unauthorised persons from accessing/re-programming electrical stimulation devices.

DATE: 1 AUGUST 2017

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A61N1/37512

{Pacemakers}

Definition statement

This place covers:

Covers device features related to the construction of pacemakers (i.e. housings/can details, material, shape, etc.).

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A61N1/37514

{Brain implants}

Definition statement

This place covers:

Covers device features related to the construction of brain implants (i.e. housing or can details, material, shape, etc.).

Informative references

Attention is drawn to the following places, which may be of interest for search:

Burr Hole Covers	A61B90/00
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PROJECT RP0002

A61N1/37516

{Intravascular implants}

Definition statement

This place covers:

Covers device features related to the construction of intravascular implants (i.e. housing details, material, shape, etc.).

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A61N1/37518

{Anchoring of the implants, e.g. fixation}

Definition statement

This place covers:

Covers anchoring/fixation details of electrical stimulation devices.

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A61N1/3904

{External Heart Defibrillators [EHD]}

Definition statement

This place covers:

Covers external heart defibrillators (e.g. Automatic External Defibrillators [AEDs], semi-automatic external defibrillators, manual) and methods for constructing and using them.

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A61N1/39044

{in combination with cardiopulmonary resuscitation [CPR] therapy}

Definition statement

This place covers:

External defibrillators and methods for using them for performing or assisting in cardiopulmonary resuscitation [CPR] therapy.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cardiopulmonary Resuscitation [CPR] therapy	A61H31/00
---------------------------------------------	---------------------------

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PROJECT RP0002

A61N1/39046

{User protection from shock}

Definition statement

This place covers:

External defibrillators which include features that protect a user or patient from an accidental or unwanted shock.

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A61N1/3962

{in combination with another heart therapy}

Definition statement

This place covers:

Implantable defibrillator which in addition to electrical shock therapy, also provides another form of heart therapy (e.g. drug therapy, gene therapy, nanotherapy, etc.).

DATE: 1 AUGUST 2017

PROJECT RP0002

A61N1/39622

{Pacing therapy}

Definition statement

This place covers:

Implantable defibrillators under A61N1/3962 which apply pacing therapy in addition to defibrillation shocks.

DATE: 1 AUGUST 2017

PROJECT RP0002

A61N1/39624

{Pain reduction therapy}

Definition statement

This place covers:

Implantable defibrillators under [A61N1/3962](#) which apply electrical stimulation therapy for pain reduction.

2. A. DEFINITIONS (modified)

A61N1/36

Insert: The entire **Limiting reference** table from the Limiting reference section into a new **Informative reference** section.

Limiting references

Delete: The entire Limiting reference section including table.

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2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
A61N1/08	Limiting References		Insert the following new row: For external stimulators A61N1/3603
A61N1/08	Limiting References		Insert the following new row: For implantable neurostimulators A61N1/36128
A61N1/372	Limiting References	Details about leads and electrodes A61N1/04 - A61N1/06	DELETE the entire section
A61N1/372	Informative references		Insert the following new row: Details about leads and electrodes A61N1/04 - A61N1/06

NOTES:

- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.

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3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	A61N1/08	A61N1/08, A61N1/3603
C	A61N2001/083	A61N2001/083, A61N1/3603
D	A61N2001/086	<administrative transfer to A61N1/086>
D	A61N2001/34	<administrative transfer to A61N1/36021>
C	A61N1/36	A61N1/36, A61N1/36002
C	A61N1/36014	A61N1/36014, A61N1/3603, A61N1/36031, A61N1/36034
D	A61N1/36032	<administrative transfer to A61N1/36036>
D	A61N1/36035	<administrative transfer to A61N1/3604>
Q	A61N1/36036	A61N1/36036, A61N1/36038, A61N1/36039
D	A61N2001/36039	<administrative transfer to A61N1/36025 >
C	A61N1/3606	A61N1/3606, A61N1/36062
C	A61N1/36135	A61N1/36135, A61N1/3614
C	A61N1/36153	A61N1/36153, A61N1/3616
C	A61N1/36157	A61N1/36157, A61N1/3616
C	A61N1/362	A61N1/362, A61N1/3629
C	A61N1/3684	A61N1/3684, A61N1/36842, A61N1/36843
C	A61N1/37252	A61N1/37252, A61N1/37254
C	A61N1/375	A61N1/375, A61N1/37512, A61N1/37514, A61N1/37516, A61N1/37518
C	A61N1/39	A61N1/39, A61N1/3904, A61N1/39044, A61N1/39046
C	A61N1/3962	A61N1/3962, A61N1/39622, A61N1/39624

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries.

NOTES:

- Only C, D, and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “<administrative transfer to XX>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

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4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
A61N1/086	A61N1/08	NEW
A61N2001/086		DELETE
A61N2001/34		DELETE
A61N1/36002	A61N1/36	NEW
A61N1/3603	A61N1/36	NEW
A61N1/36031	A61N1/36	NEW
A61N1/36032		DELETE
A61N1/36034	A61N1/36	NEW
A61N1/36035		DELETE
A61N1/36036	A61N1/36	NEW
A61N1/36038	A61N1/36	NEW
A61N1/36039	A61N1/36	NEW
A61N2001/36039		DELETE
A61N1/3604	A61N1/36	NEW
A61N1/36062	A61N1/36	NEW
A61N1/3614	A61N1/36	NEW
A61N1/3629	A61N1/362	NEW
A61N1/36842	A61N1/368	NEW
A61N1/36843	A61N1/368	NEW
A61N1/37254	A61N1/372	NEW
A61N1/37512	A61N1/375	NEW
A61N1/37514	A61N1/375	NEW
A61N1/37516	A61N1/375	NEW
A61N1/37518	A61N1/375	NEW
A61N1/3904	A61N1/39	NEW
A61N1/39044	A61N1/39	NEW
A61N1/39046	A61N1/39	NEW
A61N1/39622	A61N1/39	NEW
A61N1/39624	A61N1/39	NEW

* Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with “NEW.”
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

- F symbols are not included in the CICL table above.
- E and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

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5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action: New reference symbol: New text</u>
A61B5/076	A61N1/362	A61N1/3605, A61N1/362
A61F11/04	A61N1/36032	A61N1/36036
H04R25/00	A61N1/36032	A61N1/36036

Definitions references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action: New reference symbol: New text</u>
A61F11/04	A61N1/36032	Limiting references	A61N1/36036
A61M (subclass)	A61N2001/34	Limiting references	A61N1/36021
A61M21/02	A61N2001/34	Informative References	A61N1/36021
A61M21/02	A61N1/3601 A61N1/36A5	Informative References	Delete both symbols and description
H04R25/00	A61N1/36032	Limiting references	A61N1/36036
H04R 25/606	A61N 1/36032	Informative References	A61N 1/36036
H04R27/02	A61N1/36032	Limiting references	A61N1/36036

NOTES:

- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions **inside** the project scope will be reflected in the “scheme change” template or one of the “definition” templates.
- In addition to other changes proposed in the tables above, in the column titled “Referenced subclass or group to be changed,” **referenced** D symbols should indicate an action of “delete” or should indicate a replacement symbol and **referenced** F symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.