CPC  COOPERATIVE PATENT CLASSIFICATION

A  HUMAN NECESSITIES

HEALTH; AMUSEMENT

A61  MEDICAL OR VETERINARY SCIENCE; HYGIENE

A61N  ELECTROTHERAPY; MAGNETOTHERAPY; RADIATION THERAPY;
ULTRASOUND THERAPY (measurement of bioelectric currents A61B; surgical instruments, devices or methods for transferring non-mechanical forms of energy to or from the body A61B 18/00; anaesthetic apparatus in general A61M; incandescent lamps H01K; infra-red radiators for heating H05B)

NOTE
In this subclass, the following term is used with the meaning indicated: In this subclass, the following term is used with the meaning indicated:
• “therapy” implies that the treatment, when it aims at destroying sick or abnormal cells, is performed within the limits of healthy cell life, the destruction thereof being undesired, contrary to that which takes place with instruments, devices or methods covered by group A61B 18/00.

WARNINGS
1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:
   - A61N 1/34 covered by A61N 1/36021, A61N 1/36071
   - A61N 2/04 covered by A61N 2/02
   - A61N 2/08 covered by A61N 2/06
   - A61N 2/10 covered by A61N 2/06
   - A61N 5/067 covered by A61N 5/06, A61N 2005/067
   - A61N 5/073 covered by A61N 5/06, A61N 2005/073
   - A61N 5/08 covered by A61N 5/06

2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00  Electrotherapy; Circuits therefor (A61N 2/00 takes precedence; irradiation apparatus A61N 5/00)
  1/02 . Details
  1/025 . {Digital circuitry features of electrotherapy devices, e.g. memory, clocks, processors}
  1/04 . {Electrodes (electrosurgical electrodes A61B 18/14)}
  1/0404 . . . {for external use (A61N 1/06 takes precedence)}
  1/0408 . . . . {Use-related aspects}
  1/0412 . . . . {Specially adapted for transcutaneous electroporation, e.g. including drug reservoirs}
  1/0416 . . . . . {Anode and cathode}
  1/042 . . . . . . {Material of the electrode}
  1/0424 . . . . . . . {Shape of the electrode}
  1/0428 . . . . . . . {Specially adapted for iontophoresis, e.g. AC, DC or including drug reservoirs}
  1/0432 . . . . . {Anode and cathode}
  1/0436 . . . . . {Material of the electrode}
  1/044 . . . . . . . {Shape of the electrode}
  1/0444 . . . . . {Membrane}
  1/0448 . . . . . {Drug reservoir}
  1/0452 . . . . . {Specially adapted for transcutaneous muscle stimulation [TMS]}
  1/0456 . . . . {Specially adapted for transcutaneous electrical nerve stimulation [TENS]}
  1/046 . . . . {Specially adapted for shock therapy, e.g. defibrillation}
  1/0464 . . . . {Specially adapted for promoting tissue growth}
  1/0468 . . . . {Specially adapted for promoting wound healing}
  1/0472 . . . . {Structure-related aspects}
  1/0476 . . . . {Array electrodes (including any electrode arrangement with more than one electrode for at least one of the polarities)}
  1/048 . . . . {Electrodes characterised by a specific connection between lead and electrode}
  1/0484 . . . . {Garment electrodes worn by the patient}
  1/0488 . . . . {Details about the lead}
  1/0492 . . . . {Patch electrodes (A61N 1/0412, A61N 1/0428 take precedence)}
  1/0496 . . . . {Characterised by using specific chemical compositions, e.g. hydrogel compositions, adhesives}
  1/05 . . . . for implantation or insertion into the body, e.g. heart electrode (A61N 1/06 takes precedence)
  1/0502 . . . . {Skin piercing electrodes}
  1/0504 . . . . {Subcutaneous electrodes}
Applying electric currents by contact electrodes

Applying static electricity (applying ionised gases or vapours A61N 1/44)

Applying leading-off electric charges, e.g. by earthing (carrying-off electrostatic charges, in general H05F 3/00)

Screening or neutralising undesirable influences from or using, atmospheric or terrestrial radiation or fields (using atmospheric electricity or earth currents H05F 3/00)

Applying electric currents by contact electrodes

continuous direct currents

for promoting a biological process

Electromedical belts (e.g. neck chains, armbands)

Electromedical brushes; Electromedical massage devices (massage devices in general A61H; Combs)

Apparatus for applying thermoelectric currents

Apparatus for iontophoresis, i.e. transfer of charged ions through the body (e.g. in ionic state by an electromotoric force)

Apparatus for iontophoresis, i.e. transfer of charged ions through the body (e.g. in ionic state by an electromotoric force)

Interference currents, i.e. treatment by several devices

Electromedical brushes, combs, massage devices

Alternating or intermittent currents (applying electric fields by inductive or capacitive coupling A61N 1/40; microwave apparatus A61N 5/02)

[Electrodes for the digestive system]

[Stomach and intestinal electrodes]

[Anal electrodes]

[Electrodes for the urinary tract]

[Eosophageal electrodes]

[Endotracheal electrodes]

[Genital electrodes]

[Vaginal electrodes]

[Head electrodes (A61N 1/0551 takes precedence)]

[Electrodes for brain stimulation]

[Brain cortex electrodes]

[Electrodes for deep brain stimulation]

[Preventing neurodegenerative response or inflammatory reaction]

[Anchoring of brain electrode systems, e.g. within burr hole]

[Cochlear electrodes]

[Retinal electrodes]

[Nasal electrodes]

[Oral electrodes]

[Spinal or peripheral nerve electrodes]

[Paddle shaped electrodes, e.g. for laminotomy]

[Cuff electrodes]

[Anchoring or fixation means therefor]

[Transvascular endocardial electrode systems]

[specially adapted for defibrillation or cardioversion]

[Electrode heads]

[with drug delivery]

[Anchoring means; Means for fixing the head inside the heart]

[characterised by means penetrating the heart tissue, e.g. helix needle or hook]

[with drug delivery]

[Fixing tools]

[Suture sleeves]

[Coronary sinus electrodes]

[Epicardial electrode systems; Endocardial electrodes piercing the pericardium]

[Anchoring means]

[Introducing the lead through the pericardium with a needle]

[Temporary leads]

[Surface area electrodes, e.g. cardiac harness]

for high-frequency therapy

Arrangements or circuits for monitoring, protecting, controlling or indicating (for external stimulators A61N 1/3603; for implantable neurostimulators A61N 1/36128; for heart stimulators A61N 1/37; for defibrillators A61N 1/3925)

WARNING

Group A61N 1/08 is impacted by reclassification into group A61N 1/3603

Groups A61N 1/08 and A61N 1/3603 should be considered in order to perform a complete search.

[Monitoring integrity of contacts, e.g. by impedance measurement]

WARNING

Group A61N 2001/083 is impacted by reclassification into group A61N 1/3603.

Groups A61N 2001/083 and A61N 1/3603 should be considered in order to perform a complete search.

[Magnetic resonance imaging [MRI] compatible leads]

Applying static electricity (applying ionised gases or vapours A61N 1/44)

Leaching-off electric charges, e.g. by earthing (carrying-off electrostatic charges, in general H05F 3/00)

Screening or neutralising undesirable influences from or using, atmospheric or terrestrial radiation or fields (using atmospheric electricity or earth currents H05F 3/00)

Applying electric currents by contact electrodes

continuous direct currents

for promoting a biological process

Electromedical belts (e.g. neck chains, armbands)

with built-in power source

Electromedical brushes; Electromedical massage devices (massage devices in general A61H; Combs)

Apparatus for applying thermoelectric currents

Apparatus for iontophoresis, i.e. transfer of media in ionic state by an electromotoric force into the body), or cataphoresis

Alternating or intermittent currents (applying electric fields by inductive or capacitive coupling A61N 1/40; microwave apparatus A61N 5/02)

(Electromedical belts]

(Electromedical brushes, combs, massage devices)

[Interference currents, i.e. treatment by several currents summed in the body]

[for iontophoresis, i.e. transfer of media in ionic state by an electromotoric force into the body (electrodes for external use A61N 1/0428)]

[for promoting growth of cells, e.g. bone cells]
for enhancing the absorption properties of tissue, e.g. by electroporation

for improving the appearance of the skin, e.g. facial toning or wrinkle treatment

for stimulation

**WARNING**

Group A61N 1/36 is impacted by reclassification into group A61N 1/36002.
Groups A61N 1/36 and A61N 1/36002 should be considered in order to perform a complete search.

**WARNING**

Group A61N 1/36 is incomplete pending reclassification of documents from group A61N 1/36.
Groups A61N 1/36 and A61N 1/36002 should be considered in order to perform a complete search.

**WARNING**

Group A61N 1/36 is impacted by reclassification into groups A61N 1/3603, A61N 1/36031 and A61N 1/36034.
All groups listed in this Warning should be considered in order to perform a complete search.

**WARNING**

Group A61N 1/36 is incomplete pending reclassification of documents from groups A61N 1/08, A61N 2001/083 and A61N 1/36014.
All groups listed in this Warning should be considered in order to perform a complete search.

**WARNING**

Group A61N 1/36031 is incomplete pending reclassification of documents from group A61N 1/36014.
Groups A61N 1/36031 and A61N 1/36014 should be considered in order to perform a complete search.

**WARNING**

Group A61N 1/36034 is incomplete pending reclassification of documents from group A61N 1/36014.
Groups A61N 1/36034 and A61N 1/36014 should be considered in order to perform a complete search.

**WARNING**

Group A61N 1/36036 is impacted by reclassification into groups A61N 1/36038 and A61N 1/36039.
Groups A61N 1/36036, A61N 1/36038 and A61N 1/36039 should be considered in order to perform a complete search.

**WARNING**

Group A61N 1/36038 and A61N 1/36039 are incomplete pending reclassification of documents from group A61N 1/36036.
Groups A61N 1/36036, A61N 1/36038 and A61N 1/36039 should be considered in order to perform a complete search.

**WARNING**

Group A61N 1/3603 is impacted by reclassification of documents from groups A61N 1/08, A61N 2001/083 and A61N 1/36014.
All groups listed in this Warning should be considered in order to perform a complete search.

**WARNING**

Group A61N 1/36038 is impacted by reclassification of documents from group A61N 1/36036.
Groups A61N 1/36038 and A61N 1/36039 should be considered in order to perform a complete search.

**WARNING**

Groups A61N 1/36038 and A61N 1/36039 are incomplete pending reclassification of documents from group A61N 1/36036.
Groups A61N 1/36036, A61N 1/36038 and A61N 1/36039 should be considered in order to perform a complete search.

**WARNING**

Groups A61N 1/36038 and A61N 1/36039 are incomplete pending reclassification of documents from group A61N 1/36036.
Groups A61N 1/36036, A61N 1/36038 and A61N 1/36039 should be considered in order to perform a complete search.

**WARNING**

Group A61N 1/36038 and A61N 1/36039 are incomplete pending reclassification of documents from group A61N 1/36036.
Groups A61N 1/36036, A61N 1/36038 and A61N 1/36039 should be considered in order to perform a complete search.

**WARNING**

Group A61N 1/36036 is impacted by reclassification into groups A61N 1/36038 and A61N 1/36039.
Groups A61N 1/36036, A61N 1/36038 and A61N 1/36039 should be considered in order to perform a complete search.

**WARNING**

Group A61N 1/36038 and A61N 1/36039 are incomplete pending reclassification of documents from group A61N 1/36036.
Groups A61N 1/36036, A61N 1/36038 and A61N 1/36039 should be considered in order to perform a complete search.

**WARNING**

Group A61N 1/36036 is impacted by reclassification into groups A61N 1/36038 and A61N 1/36039.
Groups A61N 1/36036, A61N 1/36038 and A61N 1/36039 should be considered in order to perform a complete search.

**WARNING**

Group A61N 1/36038 and A61N 1/36039 are incomplete pending reclassification of documents from group A61N 1/36036.
Groups A61N 1/36036, A61N 1/36038 and A61N 1/36039 should be considered in order to perform a complete search.

**WARNING**

Group A61N 1/36038 and A61N 1/36039 are incomplete pending reclassification of documents from group A61N 1/36036.
Groups A61N 1/36036, A61N 1/36038 and A61N 1/36039 should be considered in order to perform a complete search.
1/3606 . . . . . {adapted for a particular treatment}

**WARNING**

Group A61N 1/3606 is impacted by reclassification into group A61N 1/36062.

Groups A61N 1/3606 and A61N 1/36062 should be considered in order to perform a complete search.

1/36062 . . . . . {Spinal stimulation}

**WARNING**

Group A61N 1/36062 is incomplete pending reclassification of documents from group A61N 1/3606.

Groups A61N 1/36062 and A61N 1/3606 should be considered in order to perform a complete search.

1/36067 . . . . . {Epilepsy}

1/36064 . . . . . {Movement disorders, e.g. tremor or Parkinson disease (stimulating motor muscle A61N 1/36003)}

1/36071 . . . . . {Pain}

1/36075 . . . . . {Headache or migraine}

1/36078 . . . . . {Inducing or controlling sleep or relaxation (non-implantable stimulator A61M 21/00)}

1/36082 . . . . . {Cognitive or psychiatric applications, e.g. dementia or Alzheimer's disease}

1/36085 . . . . . {Eating disorders or obesity}

1/36089 . . . . . {Addiction or withdrawal from substance abuse such as alcohol or drugs}

1/36092 . . . . . {Mental training}

1/36096 . . . . . {Mood disorders, e.g. depression, anxiety or panic disorder}

1/361 . . . . . {Phantom sensations, e.g. tinnitus}

1/36103 . . . . . {Neuro-rehabilitation; Repair or reorganisation of neural tissue, e.g. after stroke}

1/36107 . . . . . {Sexual dysfunction (stimulating genital organs A61N 1/36007)}

1/3611 . . . . . {Respiration control (stimulating respiratory organs A61N 1/3601)}

1/36114 . . . . . {Cardiac control, e.g. by vagal stimulation (stimulating the heart A61N 1/362)}

1/36117 . . . . . {for treating hypertension}

1/36121 . . . . . {Production of neurotransmitters; Modulation of genes expression}

1/36125 . . . . . {Details of circuitry or electric components}

1/36128 . . . . . {Control systems}

1/36132 . . . . . {using patient feedback}

1/36135 . . . . . {using physiological parameters}

**WARNING**

Group A61N 1/36135 is impacted by reclassification into group A61N 1/3614.

Groups A61N 1/36135 and A61N 1/3614 should be considered in order to perform a complete search.

1/36139 . . . . . {with automatic adjustment}

1/3614 . . . . . {based on impedance measurement}

**WARNING**

Group A61N 1/3614 is incomplete pending reclassification of documents from group A61N 1/36135.

Groups A61N 1/3614 and A61N 1/36135 should be considered in order to perform a complete search.

1/36142 . . . . . {for improving safety}

1/36146 . . . . . {specified by the stimulation parameters}

1/3615 . . . . . {Intensity}

1/36153 . . . . . {Voltage (A61N 1/3616 takes precedence)}

**WARNING**

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.

1/36157 . . . . . {Current (A61N 1/3616 takes precedence)}

**WARNING**

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.

1/3616 . . . . . {Voltage density or current density}

**WARNING**

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.
Heart stimulators (heart defibrillators A61N 1/39)

**WARNING**

Group A61N 1/362 is impacted by reclassification into group A61N 1/3629. Groups A61N 1/362 and A61N 1/3629 should be considered in order to perform a complete search.

I/3621 . . . . . . {for treating or preventing abnormally high heart rate}  
I/3622 . . . . . . {comprising two or more electrodes co-operating with different heart regions}  
I/3624 . . . . . . {occurring in the atrium, i.e. atrial tachycardia}  
I/3625 . . . . . . {External stimulators}  
I/3627 . . . . . . {for treating a mechanical deficiency of the heart, e.g. congestive heart failure or cardiomyopathy}  
I/3628 . . . . . . {using sub-threshold or non-excitatory signals}  
I/3629 . . . . . . {in combination with non-electric therapy}

**WARNING**

Group A61N 1/3629 is incomplete pending reclassification of documents from group A61N 1/362. Groups A61N 1/3629 and A61N 1/362 should be considered in order to perform a complete search.

I/365 . . . . . . controlled by a physiological parameter, e.g. heart potential {evoked response A61N 1/371]  
I/36507 . . . . . . {controlled by gradient or slope of the heart potential}  
I/36514 . . . . . . {controlled by a physiological quantity other than heart potential, e.g. blood pressure (controlled by two or more physical parameters A61N 1/36585)}  
I/36521 . . . . . . {the parameter being derived from measurement of an electrical impedance}  
I/36528 . . . . . . {the parameter being measured by means of ultrasound}  
I/36535 . . . . . . {controlled by body position or posture}  
I/36542 . . . . . . {controlled by body motion, e.g. acceleration}  
I/3655 . . . . . . {controlled by body or blood temperature}  
I/36557 . . . . . . {controlled by chemical substances in blood}  
I/36564 . . . . . . {controlled by blood pressure}  
I/36571 . . . . . . {controlled by blood flow rate, e.g. blood velocity or cardiac output}  
I/36578 . . . . . . {controlled by mechanical motion of the heart wall, e.g. measured by an accelerometer or microphone}  
I/36585 . . . . . . {controlled by two or more physical parameters}  
I/36592 . . . . . . {controlled by the heart rate variability}  
I/368 . . . . . . comprising more than one electrode co-operating with different heart regions {A61N 1/3622, A61N 1/3627 take precedence}  
I/3682 . . . . . . {with a variable atrioventricular delay}  
I/3684 . . . . . . {for stimulating the heart at multiple sites of the ventricle or the atrium}

**WARNING**

Group A61N 1/3684 is impacted by reclassification into groups A61N 1/36842 and A61N 1/36843. Groups A61N 1/3684, A61N 1/36842 and A61N 1/36843 should be considered in order to perform a complete search.

I/36842 . . . . . . {Multi-site stimulation in the same chamber}

**WARNING**

Group A61N 1/36843 is incomplete pending reclassification of documents from group A61N 1/3684. Groups A61N 1/36842 and A61N 1/3684 should be considered in order to perform a complete search.

I/36843 . . . . . . {Bi-ventricular stimulation}

**WARNING**

Group A61N 1/36843 is incomplete pending reclassification of documents from group A61N 1/3684. Groups A61N 1/36843 and A61N 1/3684 should be considered in order to perform a complete search.

I/3686 . . . . . . {configured for selecting the electrode configuration on a lead (A61N 1/3688 takes precedence)}  
I/3688 . . . . . . {configured for switching the pacing mode, e.g. from AAI to DDD}  
I/37 . . . . . . Monitoring; Protecting

I/3702 . . . . . . {Physiological parameters (A61N 1/365 takes precedence; evoked response A61N 1/371)}
Circuits specially adapted therefor, e.g. for sensitivity control

Pacemaker parameters (stimulation threshold A61N 1/371)

for power depletion

Capture, i.e. successful stimulation

Auto-capture, i.e. automatic adjustment of the stimulation threshold

Atrial capture

with reduction of residual polarisation effects

Monitoring of or protection against external electromagnetic fields or currents

Arrangements in connection with the implantation of stimulators

Microstimulators, e.g. implantable through a cannula

Means for communicating with stimulators

characterised by the communication link, e.g. acoustic or tactile

Circuits for electromagnetic coupling

Shape or location of the implanted or external antenna

Aspects of the external programmer

providing test stimulations

User interfaces, e.g. input or presentation means

Details of algorithms or data aspects of communication system, e.g. handshaking, transmitting specific data or segmenting data

characterised by means for reducing power consumption during telemetry

characterised by communication with experts in remote locations using a network

Communication to several implantable medical devices within one patient

Means for testing medical devices within the package prior to implantation

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

Brain implants

Intravascular implants

Anchoring of the implants, e.g. fixation

Alerting the patient

Changing the program; Upgrading firmware

characterised by the modulation technique

WARNING

Group A61N 1/375 is impacted by reclassification into groups A61N 1/37512, A61N 1/37514, A61N 1/37516 and A61N 1/37518.

All groups listed in this Warning should be considered in order to perform a complete search.

Pacemakers

Brain implants

Intravascular implants

Anchoring of the implants, e.g. fixation

Details of casing-lead connections

Feedthroughs

Casings with electrodes thereon, e.g. leadless stimulators

WARNING

Group A61N 1/375 is impacted by reclassification into groups A61N 1/37512, A61N 1/37514, A61N 1/37516 and A61N 1/37518.

All groups listed in this Warning should be considered in order to perform a complete search.

Groups A61N 1/37512 and A61N 1/375 should be considered in order to perform a complete search.

Groups A61N 1/37514 and A61N 1/375 should be considered in order to perform a complete search.

Groups A61N 1/37516 and A61N 1/375 should be considered in order to perform a complete search.

Groups A61N 1/37518 and A61N 1/375 should be considered in order to perform a complete search.

Details of casing-lead connections

Feedthroughs

Casings with electrodes thereon, e.g. leadless stimulators

Constructional arrangements, e.g. casings

WARNING

Group A61N 1/375 is impacted by reclassification into groups A61N 1/37512, A61N 1/37514, A61N 1/37516 and A61N 1/37518.

All groups listed in this Warning should be considered in order to perform a complete search.
A61N

1/3758 . . . . . . {Packaging of the components within the casing}
1/378 . . . . . . Electrical supply
1/3782 . . . . . . {producing a voltage above the power source level}
1/3785 . . . . . . {generated by biological activity or substance, e.g. body movement}
1/3787 . . . . . . {from an external energy source}
1/38 . . . . . . for producing shock effects
1/385 . . . . . . {Devices for inducing an abnormal cardiac function, e.g. fibrillation}
1/39 . . . . . . Heart defibrillators

WARNING
Group A61N 1/39 is impacted by reclassification into groups A61N 1/3904, A61N 1/39044 and A61N 1/39046.
All groups listed in this Warning should be considered in order to perform a complete search.

1/3904 . . . . . . {External heart defibrillators [EHD]}

WARNING
Group A61N 1/3904 is incomplete pending reclassification of documents from group A61N 1/39.
Groups A61N 1/3904 and A61N 1/39 should be considered in order to perform a complete search.

1/39044 . . . . . . {in combination with cardiopulmonary resuscitation [CPR] therapy}

WARNING
Group A61N 1/39044 is incomplete pending reclassification of documents from group A61N 1/39.
Groups A61N 1/39044 and A61N 1/39 should be considered in order to perform a complete search.

1/39046 . . . . . . {User protection from shock}

WARNING
Group A61N 1/39046 is incomplete pending reclassification of documents from group A61N 1/39.
Groups A61N 1/39046 and A61N 1/39 should be considered in order to perform a complete search.

1/3906 . . . . . . {characterised by the form of the shockwave}
1/3912 . . . . . . {Output circuitry therefor, e.g. switches}
1/3918 . . . . . . {characterised by shock pathway, e.g. by electrode configuration}
1/3925 . . . . . . {Monitoring; Protecting}
1/3931 . . . . . . {Protecting, e.g. back-up systems}
1/3937 . . . . . . {Monitoring output parameters}
1/3943 . . . . . . {for threshold determination}
1/395 . . . . . . {for treating atrial fibrillation}
1/3956 . . . . . . {Implantable devices for applying electric shocks to the heart, e.g. for cardioversion}

1/3962 . . . . . . {in combination with another heart therapy}

WARNING
Group A61N 1/3962 is impacted by reclassification into groups A61N 1/39622 and A61N 1/39624.
Groups A61N 1/3962 and A61N 1/39624 should be considered in order to perform a complete search.

1/39622 . . . . . . [Pacing therapy]
Radiation therapy (ultrasound therapy A61N 7/00)

2005/002 . . . [Cooling systems]
2005/005 . . . [for cooling the radiator]
2005/007 . . . [for cooling the patient]
5/01 . . . Devices for producing movement of radiation source during therapy (A61N 5/1077 takes precedence)
5/02 . . . using microwaves
5/02 . . . . . . [Apparatus adapted for a specific treatment]
5/025 . . . . . . [Warming the body, e.g. hyperthermia treatment]
2005/027 . . . . . . (using a phased array)
5/04 . . . Radiators for near-field treatment
5/045 . . . . . . [specially adapted for treatment inside the body]
5/06 . . . using light
5/0601 . . . . . . [Apparatus for use inside the body]
2005/0602 . . . . . . [for treatment of blood vessels]
2005/0603 . . . . . . [for treatment of body cavities]
2005/0604 . . . . . . [Lungs and/or Airways]
2005/0605 . . . . . . [Ear]
2005/0606 . . . . . . [Mouth]
2005/0607 . . . . . . [Nose]
2005/0608 . . . . . . [Rectum]
2005/0609 . . . . . . [Stomach and/or esophagus]
2005/061 . . . . . . [Bladder and/or urethra]
2005/0611 . . . . . . [Vagina]
2005/0612 . . . . . . [using probes penetrating tissue; interstitial probes]
5/0613 . . . . . . [Apparatus adapted for a specific treatment]
5/0614 . . . . . . [Tanning]
2005/0615 . . . . . . [using UV light sources having a specific spectrum]
5/0616 . . . . . . [Skin treatment other than tanning]
5/0617 . . . . . . [Hair treatment]
5/0618 . . . . . . [Psychological treatment]
5/0619 . . . . . . [Acupuncture]
5/062 . . . . . . [Photodynamic therapy, i.e. excitation of an agent]
5/0621 . . . . . . [Hyperlilirubinemia, jaundice treatment]
5/0622 . . . . . . [Optical stimulation for exciting neural tissue]
5/0624 . . . . . . [for eliminating microbes, germs, bacteria on or in the body]
5/0625 . . . . . . [Warming the body, e.g. hyperthermia treatment]
2005/0626 . . . . . . [Monitoring, verifying, controlling systems and methods]
2005/0627 . . . . . . [Dose monitoring systems and methods]
2005/0628 . . . . . . [including a radiation sensor]
2005/0629 . . . . . . [Sequential activation of light sources]
2005/063 . . . . . . [comprising light transmitting means, e.g. optical fibres]
2005/0631 . . . . . . [using crystals]
2005/0632 . . . . . . [Constructional aspects of the apparatus]
2005/0633 . . . . . . [Arrangements for lifting or hinging the frame which supports the light sources]

2005/0634 . . . . . . [Mechanisms that allow a space saving storage of the apparatus]
2005/0635 . . . . . . [characterised by the body area to be irradiated]
2005/0636 . . . . . . [Irradiating the whole body]
2005/0637 . . . . . . [in a horizontal position]
2005/0638 . . . . . . [with a specially adapted support surface]
2005/0639 . . . . . . [with additional sources directed at, e.g. the face or the feet]
2005/064 . . . . . . . . . . [in a vertical position]
2005/0641 . . . . . . . . . . [with rotation of the patient]
2005/0642 . . . . . . . . . . [Irradiating part of the body at a certain distance]
2005/0643 . . . . . . . . . . [Applicators, probes irradiating specific body areas in close proximity]
2005/0644 . . . . . . . . . . [Handheld applicators]
2005/0645 . . . . . . . . . . [Applicators worn by the patient]
2005/0647 . . . . . . . . . . [the applicator adapted to be worn on the head]
2005/0648 . . . . . . . . . . [the light being directed to the eyes]
2005/0649 . . . . . . . . . . [using suction to fix the applicator to the tissue]
2005/065 . . . . . . [Light sources therefor]
2005/0651 . . . . . . [Diodes]
2005/0652 . . . . . . [Arrays of diodes]
2005/0653 . . . . . . [Organic light emitting diodes]
2005/0654 . . . . . . [Lamps]
2005/0655 . . . . . . [Tubes]
2005/0656 . . . . . . [Chemical light sources]
2005/0657 . . . . . . [Natural light sources, e.g. captured sunlight]
2005/0658 . . . . . . [characterised by the wavelength of light used]
2005/0659 . . . . . . . . . . [infra-red]
2005/066 . . . . . . . . . . [far infrared]
2005/0661 . . . . . . . . . . [ultra-violet]
2005/0662 . . . . . . . . . . [Visible light]
2005/0663 . . . . . . . . . . [Coloured light]
2005/0664 . . . . . . . . . . [Details]
2005/0665 . . . . . . . . . . [Reflectors]
2005/0666 . . . . . . . . . . [for redirecting light to the treatment area]
2005/0667 . . . . . . . . . . [Filters]
2005/0668 . . . . . . . . . . [Apparatus adapted for operation in a moist environment, e.g. bath or shower]
2005/067 . . . . . . [using laser light]
2005/073 . . . . . . [using polarised light]
5/10 . . . X-ray therapy; Gamma-ray therapy; Particle-irradiation therapy A61N 5/01 takes precedence)
5/1001 . . . . . . [using radiation sources introduced into or applied onto the body; brachytherapy]
5/1002 . . . . . . [Intraluminal radiation therapy]
2005/1003 . . . . . . [having means for centering a radioactive source within the lumen, e.g. balloons]
2005/1004 . . . . . . [having expandable radiation sources]
2005/1005 . . . . . . [with asymmetrical radiation pattern]
5/1007 . . . . . . [Arrangements or means for the introduction of sources into the body]
2005/1008 . . . . . . [Apparatus for temporary insertion of sources, e.g. afterloaders]
2005/1009 . . . . . . [Apparatus for loading seeds into magazines or needles]
2005/101 . . . . . . [Magazines or cartridges for seeds]
2005/1011 . . . . . . [Apparatus for permanent insertion of sources]
2005/1012 . . . . . . [Templates or grids for guiding the introduction of sources]
{Monitoring, verifying, controlling systems and treatment planning systems}

{using a multi-leaf collimator, e.g. for intensity modulated radiation therapy or IMRT}

{Scanning the radiation beam, e.g. spot radiation treatment applied to other patients}

{using a library of previously administered radiotherapy}

{taking into account previously administered plans applied to the same patient, i.e. adaptive radiotherapy}

{using functional images, e.g. PET or MRI}

{for delivering multiple intersecting beams at the same time, e.g. gamma knives}

{using a dummy object placed in the radiation field, e.g. phantom}

{Beam delivery systems}

{Fixed beam systems}

{for delivering multiple intersecting beams at the same time, e.g. gamma knives}

{characterised by the type of particles applied to the patient}

{Ions; Protons}

{generated by laser radiation}

{Electrons}

{Neutrons}

{Kilovoltage or orthovoltage range photons}

{Details}

{Shielding, protecting against radiation}

{Elements inserted into the radiation path within the system, e.g. filters or wedges}

{Elements inserted into the radiation path placed on the patient, e.g. bags, bolus, compensators}

{Means for immobilizing the patient}

{Enhancing the effect of the particle by an injected agent or implanted device}

7/00  Ultrasound therapy (lithotripsy A61B 17/22, A61B 17/25; massage using supersonic vibration A61H 23/00 ; using ultrasound for introducing media into the body A61M 37/0092))

{Applications of ultrasound therapy}

{Destruction of fat cells}

{Fracture healing}

{Wound healing}

{Neural system treatment}

{Stimulation of nerve tissue}

{Destruction of nerve tissue}
Localised ultrasound hyperthermia (hyperthermia in general A61F 7/00)

Localised ultrasound hyperthermia (hyperthermia in general A61F 7/00)

Localised ultrasound hyperthermia (hyperthermia in general A61F 7/00)

Localised ultrasound hyperthermia (hyperthermia in general A61F 7/00)