

Title (en)

IMPROVED ELECTRODE AND PERCUTANEOUS LEAD AND METHOD OF USE

Title (de)

VERBESSERTE ELEKTRODE UND PERKUTANE LEITUNG SOWIE VERWENDUNGSVERFAHREN

Title (fr)

ÉLECTRODE AMÉLIORÉE ET FIL PERCUTANÉ ET PROCÉDÉ D'UTILISATION

Publication

EP 3983053 A1 20220420 (EN)

Application

EP 20834456 A 20200701

Priority

- US 201962869377 P 20190701
- US 201962869372 P 20190701
- US 201962869397 P 20190701
- US 2020070225 W 20200701

Abstract (en)

[origin: WO2021003496A1] An implantable pulse generator is provided comprising a non-metallic shell adjacent a header. The header abuts an optical window in the shell. The header aligns a series of surgical or percutaneous leads with the optical window. The leads incorporate optical fibers, electrodes and contacts which distribute stimulation signals. Behind the optical window, a set of optical devices is provided which transmit or receive light from the fibers. Signal processors are provided to interpret the signals from the optical fibers, and to mitigate a continuous inductive charging function.

IPC 8 full level

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CPC (source: EP)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 2021003496 A1 20210107; AU 2020300688 A1 20220127; AU 2020301041 A1 20220127; CA 3145439 A1 20210107; CA 3145576 A1 20210107; EP 3983052 A1 20220420; EP 3983052 A4 20230823; EP 3983053 A1 20220420; EP 3983053 A4 20231206; JP 2022538476 A 20220902; JP 2022539412 A 20220908; WO 2021003495 A1 20210107; WO 2021003497 A1 20210107

DOCDB simple family (application)

US 2020070224 W 20200701; AU 2020300688 A 20200701; AU 2020301041 A 20200701; CA 3145439 A 20200701; CA 3145576 A 20200701; EP 20834152 A 20200701; EP 20834456 A 20200701; JP 2021578191 A 20200701; JP 2021578192 A 20200701; US 2020070223 W 20200701; US 2020070225 W 20200701