Title (en)

HUMAN CEREBRAL CORTEX NEURAL PROSTHETIC

Title (de)

MENSCHLICHE GROSSHIRNRINDENNERVENPROTHESE

Title (fr)

PROTHESE NEURONALE DESTINEE AU CORTEX CEREBRAL HUMAIN

Publication

EP 0743839 A4 19990210 (EN)

Application

EP 95910167 A 19950209

Priority

- US 9501391 W 19950209
- US 19401794 A 19940209
- US 33275794 A 19941101
- US 33275594 A 19941101

Abstract (en)

[origin: WO9521591A1] A neural prosthetic device (100') for a primary auditory cortex (150') of a patient includes a support (108') arranged in said primary auditory cortex having a plurality of electrical contacts (104') which output electrical discharges in accordance with processed electrical signals. The device can enable certain types of hearing impaired patients to hear. One version of the device can be wireless. A neural prosthetic device, which may or may not be wireless, can also be modified to reduce or eliminate the effects of tinnitus. In version, a catheter microinfuses drugs which suppress or eliminate abnormal neural activity.

IPC 1-7

A61F 2/02

IPC 8 full level

A61F 2/02 (2006.01); **A61F 11/00** (2006.01); **A61F 11/04** (2006.01); **A61N 1/05** (2006.01); **A61N 1/32** (2006.01); **A61N 1/36** (2006.01)

CPC (source: EP US)

A61F 11/04 (2013.01 - EP); **A61N 1/05** (2013.01 - EP); **A61N 1/0529** (2013.01 - EP); **A61N 1/0531** (2013.01 - EP); **A61N 1/0539** (2013.01 - EP US); A61N 1/0541 (2013.01 - EP); A61N 1/361 (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB IT

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