

Title (en)

METHODS AND DEVICES FOR IN SITU FORMED NERVE CAP WITH RAPID RELEASE

Title (de)

VERFAHREN UND VORRICHTUNGEN ZUR IN SITU GEBILDETEN NERVENKAPPE MIT SCHNELLER FREISETZUNG

Title (fr)

MÉTHODES ET DISPOSITIFS POUR UN CAPUCHON NERVEUX FORMÉ IN SITU AVEC LIBÉRATION RAPIDE

Publication

EP 4090261 A4 20240515 (EN)

Application

EP 21741461 A 20210113

Priority

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- US 2021013296 W 20210113

Abstract (en)

[origin: WO2021146330A1] Methods, devices and materials are for in situ formation of an implant for treating a nerve. A treatment site is positioned within a cavity defined by a form. A transformable media is introduced into the cavity to surround the treatment site. The media undergoes a transformation from a relatively flowable state to a relatively non-flowable state to form a protective barrier surrounding the treatment site. The hydrophilic media cooperates with the hydrophobic surface of the cavity to facilitate rapid release of the implant from the cavity following the transformation. The implant may be a growth inhibiting nerve cap to inhibit neuroma formation following planned or traumatic nerve injury, a growth permissive conduit for facilitating reconnection of a severed nerve, or an anchor for stabilizing a pain management electrode with respect to a nerve. Access to the nerve treatment site may be open surgical or percutaneous.

IPC 8 full level

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CPC (source: EP)

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C-Set (source: EP)

A61L 27/18 + **C08L 71/02**

Citation (search report)

- [XAI] WO 2020010164 A1 20200109 - BRIGHT CORINNE [US], et al
- [A] WO 2019178564 A1 20190919 - TULAVI THERAPEUTICS INC [US]
- [A] WO 2005002472 A1 20050113 - ASTRA TECH AB [SE], et al
- [A] WO 2016077839 A1 20160519 - TISSUEGEN INC [US]
- See also references of WO 2021146330A1

Designated contracting state (EPC)

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