

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 A1 20221123 (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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