

Title (en)
NEURAL LOCATING AND MAPPING

Title (de)
NEURONALE ORTUNG UND KARTIERUNG

Title (fr)
LOCALISATION ET CARTOGRAPHIE NEURONAUX

Publication
EP 3522775 A4 20200610 (EN)

Application
EP 17857966 A 20171013

Priority

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- US 201615286328 A 20161005
- US 201615286333 A 20161005
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Abstract (en)
[origin: WO2018065971A1] A method of locating a nerve within an intracorporeal treatment area of a subject includes providing a first electrical stimulus at a first location within the intracorporeal treatment area, providing a second electrical stimulus at a second location within the intracorporeal treatment area, and providing one or more additional electrical stimuli at the second location. The first electrical stimulus does not induce a threshold response of a muscle innervated by the nerve, whereas the second electrical stimulus does induce a response of the muscle. The one or more additional stimuli each have a current magnitude less than the first stimulus and are used to determine a minimum current magnitude that is required to induce the threshold response of the muscle at the second location. This minimum current magnitude is then used to determine a distance from the second location to the nerve.

IPC 8 full level
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Citation (search report)

- [IY] US 5775331 A 19980707 - RAYMOND STEPHEN A [US], et al
- [Y] US 2016206363 A1 20160721 - MEHTA BANKIM H [US], et al
- [Y] US 2016143556 A1 20160526 - FARQUHAR ALLEN [US], et al
- [A] US 2014275926 A1 20140918 - SCOTT JUSTIN [US], et al
- See references of WO 2018065971A1

Designated contracting state (EPC)
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