

Title (en)

PROCESS FOR PROVIDING PROTECTIVE THERAPY FOR BIOLOGICAL TISSUES OR FLUIDS

Title (de)

VERFAHREN ZUR BEREITSTELLUNG EINER SCHUTZTHERAPIE FÜR BIOLOGISCHE GEWEBE ODER FLÜSSIGKEITEN

Title (fr)

PROCESSUS DESTINÉ À FOURNIR UNE THÉRAPIE PROTECTRICE POUR DES TISSUS OU DE FLUIDES BIOLOGIQUES

Publication

**EP 3496810 A4 20191016 (EN)**

Application

**EP 17840010 A 20170728**

Priority

- US 201615232320 A 20160809
- US 201715583096 A 20170501
- US 2017044319 W 20170728

Abstract (en)

[origin: WO2018031255A1] A process that provides protective therapy for biological tissues or fluids includes applying a pulsed energy source to a target tissue or a target fluid having a chronic progressive disease or a risk of having a chronic progressive disease to therapeutically or prophylactically treat the target tissue or target fluid. The pulsed energy source has energy parameters selected so as to raise the target tissue or bodily target fluid temperature up to a predetermined temperature for a short period of time to achieve a therapeutic or prophylactic effect, while the average temperature rise of the target tissue or target fluid over a longer period of time is maintained at or below a predetermined level so as not to permanently damage the target tissue or target fluid.

IPC 8 full level

**A61N 5/02** (2006.01); **A61N 5/06** (2006.01); **A61N 7/02** (2006.01)

CPC (source: EP)

**A61N 5/02** (2013.01); **A61N 5/06** (2013.01); **A61N 5/0601** (2013.01); **A61N 5/067** (2021.08); **A61N 7/02** (2013.01); **A61B 1/041** (2013.01); **A61B 1/233** (2013.01); **A61B 1/2676** (2013.01); **A61B 1/2736** (2013.01); **A61B 1/31** (2013.01); **A61B 2017/00172** (2013.01); **A61B 2018/00494** (2013.01); **A61B 2018/00589** (2013.01); **A61N 2005/0604** (2013.01); **A61N 2005/0607** (2013.01); **A61N 2005/0642** (2013.01); **A61N 2005/0659** (2013.01); **A61N 2005/0662** (2013.01); **A61N 2007/0004** (2013.01)

Citation (search report)

- [X1] US 2010049180 A1 20100225 - WELLS JONATHON D [US], et al
- [X1] US 2016082294 A1 20160324 - LUTTRULL JEFFREY K [US], et al
- [X1] WO 2016122752 A1 20160804 - OJAI RETINAL TECHNOLOGY LLC [US]
- [X] US 2012029353 A1 20120202 - SLAYTON MICHAEL H [US], et al
- See references of WO 2018031255A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2018031255 A1 20180215**; AU 2017308587 A1 20190117; BR 112019001348 A2 20190430; CA 3030483 A1 20180215; CN 109562272 A 20190402; EP 3496810 A1 20190619; EP 3496810 A4 20191016; JP 2019524179 A 20190905

DOCDB simple family (application)

**US 2017044319 W 20170728**; AU 2017308587 A 20170728; BR 112019001348 A 20170728; CA 3030483 A 20170728; CN 201780047506 A 20170728; EP 17840010 A 20170728; JP 2018565035 A 20170728