

Title (en)

PROCESS UTILIZING PULSED ENERGY TO HEAT TREAT BIOLOGICAL TISSUE

Title (de)

VERFAHREN MIT GEPULSTER ENERGIE ZUR WÄRMEBEHANDLUNG VON BIOLOGISCHEM GEWEBE

Title (fr)

MÉTHODE UTILISANT UNE ÉNERGIE PULSÉE POUR TRAITER THERMIQUEMENT UN TISSU BIOLOGIQUE

Publication

**EP 3595775 A4 20200722 (EN)**

Application

**EP 18766907 A 20180313**

Priority

- US 201715460821 A 20170316
- US 201715583096 A 20170501
- US 201715629002 A 20170621
- US 201815918487 A 20180312
- US 2018022201 W 20180313

Abstract (en)

[origin: WO2018169969A1] A process for heat treating biological tissue includes repeatedly applying a pulsed energy to a target tissue over a period of time so as to controllably raise a temperature of the target tissue to create a therapeutic effect to the target tissue without destroying or permanently damaging the target tissue. After the first treatment is concluded the application of the pulsed energy to the target tissue is halted for an interval of time. Within a single treatment session a second treatment is performed on the target tissue after the interval of time by repeatedly reapplying the pulsed energy to the target tissue so as to controllably raise the temperature of the target tissue to therapeutically treat the target tissue without destroying or permanently damaging the target tissue.

IPC 8 full level

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

CPC (source: EP)

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Citation (search report)

- [X] US 2013317570 A1 20131128 - LUTTRULL JEFFREY K [US], et al
- [A] US 2010049180 A1 20100225 - WELLS JONATHON D [US], et al
- [A] US 2016082294 A1 20160324 - LUTTRULL JEFFREY K [US], et al
- See also references of WO 2018169969A1

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

DOCDB simple family (publication)

**WO 2018169969 A1 20180920**; AU 2018236202 A1 20190829; AU 2018236202 B2 20201105; BR 112019017891 A2 20200512; CA 3051444 A1 20180920; CN 110520194 A 20191129; CN 110520194 B 20240326; EP 3595775 A1 20200122; EP 3595775 A4 20200722; JP 2020511189 A 20200416; JP 7239990 B2 20230315; SG 11201907081T A 20190927

DOCDB simple family (application)

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