

Title (en)

METHOD AND SYSTEM FOR APPLYING PULSED ELECTRIC FIELDS WITH HIGH UNIFORMITY USING MAGNETIC CORES

Title (de)

VERFAHREN UND SYSTEM ZUM ANWENDEN VON GEPULSTEN ELEKTRISCHEN FELDERN MIT HOHER GLEICHFÖRMIGKEIT MITTELS MAGNETISCHER KERNE

Title (fr)

PROCÉDÉ ET SYSTÈME POUR APPLIQUER D'UNE MANIÈRE EXTRÊMEMENT HOMOGENÈE DES CHAMPS ÉLECTRIQUES PULSÉS À L'AIDE DE NOYAUX MAGNÉTIQUES

Publication

EP 3891889 A4 20220907 (EN)

Application

EP 19892026 A 20191202

Priority

- US 201862776105 P 20181206
- US 2019063984 W 20191202

Abstract (en)

[origin: CN113454913A] A device, system and method for creating pulsed electric fields with good uniformity are provided. The electric fields occupy a large volume, suitable for placing a human or animal patient. A device for generating the electric fields is provided, which comprises one or more toroidally or cylindrically shaped magnetic core(s) wound with electrical wires, which, when pulsed with electrical currents, generate an electric field of high uniformity in the interior region of the toroidal or cylindrical cores. These electric field pulses, when used in conjunction with pharmacological agent, destroy cancer cells through a process called Targeted Osmotic Lysis.

IPC 8 full level

H03K 3/45 (2006.01); **A61N 1/00** (2006.01); **H03K 3/00** (2006.01); **H03K 3/02** (2006.01)

CPC (source: EP)

H03K 3/45 (2013.01); **A61N 1/40** (2013.01)

Citation (search report)

- [XAI] WO 2017044863 A1 20170316 - UNIV UTAH RES FOUND [US]
- See references of WO 2020117662A1

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)

CN 113454913 A 20210928; EP 3891889 A1 20211013; EP 3891889 A4 20220907

DOCDB simple family (application)

CN 201980091508 A 20191202; EP 19892026 A 20191202