

Title (en)

SYSTEM AND METHODS FOR TREATING CANCER CELLS WITH ALTERNATING POLARITY MAGNETIC FIELDS

Title (de)

SYSTEM UND VERFAHREN ZUR BEHANDLUNG VON KREBSZELLEN MIT MAGNETFELDERN MIT WECHSELNDER POLARITÄT

Title (fr)

SYSTÈME ET MÉTHODES DE TRAITEMENT DE CELLULES CANCÉREUSES AVEC DES CHAMPS MAGNÉTIQUES À POLARITÉ ALTERNÉE

Publication

EP 4208252 A1 20230712 (EN)

Application

EP 21759494 A 20210807

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- US 202063127129 P 20201217
- US 202117308019 A 20210504
- US 202117396608 A 20210806
- US 2021045132 W 20210807

Abstract (en)

[origin: WO2022035719A1] Systems and method for destroying or inhibiting cancer cells and other rapidly- dividing cells include applying AP magnetic fields having a defined frequency of 5 Hz - 500 kHz and a field strength of 0.1 -5000 μ T to a target body area that includes the cancer or other rapidly-dividing cells, and modifying the cancer or tumor microenvironment to increase the presence of cancer-suppressive cells or decrease the presence of cancer-promoting cells. In various embodiments, the systems and methods may include adjusting the therapy based on ultrasound imaging of the cancer cells during the application of the AP magnetic fields or during a cessation of applying the AP magnetic fields.

IPC 8 full level

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