

Title (en)
ULTRASOUND THERAPY

Title (de)
ULTRASCHALLTHERAPIE

Title (fr)
THERAPIE PAR ULTRASON

Publication
EP 1429659 A4 20091111 (EN)

Application
EP 02796433 A 20020826

Priority

- US 0227130 W 20020826
- US 31478801 P 20010824
- US 31684201 P 20010831
- US 73851401 A 20011215

Abstract (en)
[origin: WO03017843A1] A way of delivering ultrasound signals includes providing an image of at least a portion of a subject (30) intended to receive ultrasound signals between sources of the ultrasound signals and a desired region of the subject (3) for receiving focused ultrasound signals, identifying, from the image, physical characteristics of portions of material between the sources and the desired region, and using a spectral propagation analysis to determine at least one of phase corrections and amplitude corrections for the sources depending on the respective physical characteristics of the portions of the material disposed between each source and the desired region.

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CPC (source: EP)
A61B 8/0858 (2013.01); **A61N 7/02** (2013.01); **A61B 8/0808** (2013.01); **A61N 2007/0095** (2013.01)

Citation (search report)

- [A] US 5752515 A 19980519 - JOLESZ FERENC A [US], et al
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- [X] SUN JIE ET AL: "Focusing of therapeutic ultrasound through a human skull: A numerical study", JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, AIP / ACOUSTICAL SOCIETY OF AMERICA, MELVILLE, NY, US, vol. 104, no. 3, 1 September 1998 (1998-09-01), pages 1705 - 1715, XP012000530, ISSN: 0001-4966
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- See references of WO 03017843A1

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