Title (en)

METHODS AND APPARATUS FOR UNIFORM TRANSCUTANEOUS THERAPEUTIC ULTRASOUND

Title (de)

VERFAHREN UND VORRICHTUNG ZUR UNIFORMEN, TRANSKUTANEN THERAPIE MITTELS ULTRASCHALL

Title (fr)

METHODES ET APPAREIL DESTINES A LA THERAPIE TRANSCUTANEE PAR CHAMPS UNIFORME D'ULTRASONS

Publication

EP 1158909 A1 20011205 (EN)

Application

EP 00914604 A 20000216

Priority

- US 0003990 W 20000216
- US 25529099 A 19990222
- US 36461699 A 19990729

Abstract (en)

[origin: WO0048518A1] A wide beam ultrasound delivery system providing a uniform exposure field is used to enhance the uptake of injected substances and/or to enhance the transfection of DNA in the tissues of human subject, or reduce the amount of vascular intimal hyperplasia in human subjects following vascular injury.

IPC 1-7

A61B 17/20

IPC 8 full level

A61B 18/00 (2006.01); **A61M 37/00** (2006.01)

CPC (source: EP)

A61M 37/0092 (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0048518 A1 20000824; **WO 0048518 A9 20010927**; AU 3597100 A 20000904; BR 0008397 A 20020205; CA 2361150 A1 20000824; EP 1158909 A1 20011205; EP 1158909 A4 20030205; JP 2002537013 A 20021105

DOCDB simple family (application)

US 0003990 W 20000216; AU 3597100 A 20000216; BR 0008397 A 20000216; CA 2361150 A 20000216; EP 00914604 A 20000216; JP 2000599314 A 20000216