

Title (en)

APPARATUS FOR IMPROVED SHOCK-WAVE LITHOTRIPSY (SWL) USING A PIEZOELECTRIC ANNULAR ARRAY (PEAA) SHOCK-WAVE GENERATOR IN COMBINATION WITH A PRIMARY SHOCK WAVE

Title (de)

GERÄT FÜR DIE VERBESSERTE SCHOCKWELLEN-LITHOTRIPSIE (SWL) MIT EINEM PIEZOELEKTRISCHEN RINGFÖRMIGEN (PEAA) STOSSWELLENGENERATOR IN KOMBINATION MIT EINER PRIMÄREN STOSSWELLE

Title (fr)

PROCEDE DE LITHOTRIPSIE PAR ONDE DE CHOC AMELIOREE A GENERATEUR COMBINE D'ONDE DE CHOC A RESEAU PIEZOELECTRIQUE ANNULAIRE ET HYDRAULIQUE

Publication

EP 1701659 A1 20060920 (EN)

Application

EP 03818331 A 20030814

Priority

US 0325305 W 20030814

Abstract (en)

[origin: WO2005018469A1] Six focused sets of piezoelectric elements (212) are positioned around the reflector R and the axis of the primary shock wave source (210) to form a combined shock wave generator (200).

IPC 8 full level

A61B 17/22 (2006.01); **G10K 15/04** (2006.01)

CPC (source: EP)

A61B 17/225 (2013.01); **G10K 15/043** (2013.01); **A61B 2017/22008** (2013.01); **A61B 2017/22027** (2013.01); **A61B 2017/22028** (2013.01)

Designated contracting state (EPC)

DE

DOCDB simple family (publication)

WO 2005018469 A1 20050303; AU 2003262631 A1 20050310; DE 10394286 T5 20060629; EP 1701659 A1 20060920; EP 1701659 A4 20100407

DOCDB simple family (application)

US 0325305 W 20030814; AU 2003262631 A 20030814; DE 10394286 T 20030814; EP 03818331 A 20030814