

Title (en)  
ULTRASONIC GENERATOR

Publication  
**EP 0212352 B1 19890927 (DE)**

Application  
**EP 86110398 A 19860728**

Priority  
DE 3528676 A 19850809

Abstract (en)  
[origin: US4718421A] An ultrasound generator for acoustic irradiation of pathological changes of a human body comprises a planarly fashioned piezo-electric transducer which is acoustically coupled to an acoustical lens on one surface by a soft metal layer and is acoustically coupled on the opposite surface by a second soft metal layer to a dampening member. The soft metal layers act as both acoustically coupling layers and as electrodes for the piezo-electric transducer. The piezo-electric transducer can be formed of either a plurality of layers which are spaced apart by soft metal layers acting as electrodes, a single piezo-electric plate, or a plurality of plates arranged side by side in the same plane.

IPC 1-7  
**G10K 11/02; G10K 11/30**

IPC 8 full level  
**A61B 17/22** (2006.01); **A61B 17/225** (2006.01); **A61B 18/00** (2006.01); **G10K 11/02** (2006.01); **G10K 11/30** (2006.01)

CPC (source: EP US)  
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Cited by  
DE3739393A1; EP0321759A3; US7888847B2; WO2008051473A3

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**EP 86110398 A 19860728**; DE 3665949 T 19860728; JP 11974286 U 19860804; US 89010386 A 19860728