

Title (en)  
ARRAYED ULTRASONIC TRANSDUCER

Title (de)  
ULTRASCHALLWANDLERANORDNUNG

Title (fr)  
TRANSDUCTEUR ULTRASONIQUE EN RESEAU

Publication  
**EP 1951445 A2 20080806 (EN)**

Application  
**EP 06827415 A 20061102**

Priority  
• US 2006042889 W 20061102  
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Abstract (en)  
[origin: WO2007067282A2] An ultrasonic transducer comprises a stack having a first face, an opposed second face and a longitudinal axis extending therebetween. The stack comprises a plurality of layers, each layer having a top surface and an opposed bottom surface, wherein the plurality of layers of the stack comprises an upper unpoled piezoelectric layer, an underlying lower poled piezoelectric layer, and a dielectric layer. The dielectric layer is connected to the piezoelectric layer and defines an opening extending a second predetermined length in a direction substantially parallel to the axis of the stack. A plurality of first kerf slots are defined therein the stack, each first kerf slot extending a predetermined depth therein the stack through the upper piezoelectric layer and into the lower piezoelectric layer and a first predetermined length in a direction substantially parallel to the axis.

IPC 8 full level  
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CPC (source: EP)  
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