

Title (en)

PIEZOELECTRIC ULTRASONIC TRANSFORMER COMPRISING A HOUSING AND AN INSULATING LAYER

Title (de)

PIEZOELEKTRISCHER ULTRASCHALLWANDLER, DER EIN GEHÄUSE UND EINE ISOLIERSCHICHT UMFASST

Title (fr)

TRANSDUCTEUR A ULTRASONS PIEZOELECTRIQUE COMPORTANT UN BOITIER ET UNE COUCHE ISOLANTE

Publication

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Application

EP 00991061 A 20001214

Priority

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Abstract (en)

[origin: WO0145081A1] The invention relates to a piezoelectric ultrasonic transformer (1), comprising a housing (2) and a piezoelectrically active layer (4) which is connected to the housing (2) via an insulating layer (5). According to the invention, an adaptive layer (6) is also located between the insulation layer (5) and the housing (2), the thermal expansion coefficient of said adaptive layer having a value between the values of the thermal expansion coefficient of the housing (2) and the insulating layer (5). An ultrasonic transformer (1) of this type has a long service life even when used in an environment of frequent temperature fluctuations.

IPC 1-7

G10K 9/122

IPC 8 full level

G10K 9/122 (2006.01)

CPC (source: EP US)

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