

Title (en)

Ultrasound transducer assembly including a mass ring for the damping of interfering resonances

Title (de)

Ultraschallwandleranordnung mit Massering zur Dämpfung störender Resonanzen

Title (fr)

Ensemble composé d'un transducteur ultrasonique et d'un anneau massif pour atténuer des résonances parasites

Publication

EP 1515303 B1 20060920 (DE)

Application

EP 04017189 A 20040721

Priority

DE 10341422 A 20030909

Abstract (en)

[origin: EP1515303A1] The transducer has a mass ring (54) arranged at an edge portion of a membrane (48) for dampening of undesirable resonances. The ring is separated from the membrane and joined to both, the edge portion of the membrane and the inside of the housing (52) to provide a transducer with the smallest possible dimensions. A ring-shaped dampening unit (64) is attached to the inside of the housing and arranged close to the ring.

IPC 8 full level

G10K 11/00 (2006.01); **G10K 9/122** (2006.01)

CPC (source: EP US)

G10K 9/122 (2013.01 - EP US); **G10K 11/002** (2013.01 - EP US)

Citation (examination)

MURATA MANUFACTURING CO, LTD: "Piezoelectric Sound Components - Application Manual"

Cited by

DE102015110939A1; DE102015110939B4; DE102012209238A1; DE102010064117A1; WO2008147325A1; US8179024B2; US9383443B2

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