

Title (en)

Capacitive micromachined ultrasonic transducer and its fabrication method

Title (de)

Kapazitiver mikrogefertigter Ultraschallwandler und Verfahren zu seiner Herstellung

Title (fr)

Transducteur ultrasonique capacitif micro-usiné et procédé de fabrication correspondant

Publication

**EP 2145696 A1 20100120 (EN)**

Application

**EP 08160405 A 20080715**

Priority

EP 08160405 A 20080715

Abstract (en)

The invention relates to an electro-acoustic transducer (8) comprising a substrate (1) of a substrate material, a cavity (3) and a membrane (5) extending over at least a portion of the cavity. The cavity is arranged in the substrate material and the membrane is supported above the cavity by the substrate material. The invention further relates to a method of fabrication such an electro-acoustic transducer.

IPC 8 full level

**B06B 1/02** (2006.01)

CPC (source: EP)

**B06B 1/0292** (2013.01)

Citation (applicant)

- US 5619476 A 19970408 - HALLER MATTHEW I [US], et al
- US 5650572 A 19970722 - VONTZ THOMAS [DE]
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- US 2004085858 A1 20040506 - KHURI-YAKUB BUTRUS T [US], et al
- EP 1722595 A1 20061115 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- FR 2897051 A1 20070810 - GEN ELECTRIC [US]
- US 5801069 A 19980901 - HARADA KENICHI [JP], et al

Citation (search report)

- [XY] EP 1722595 A1 20061115 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [X] FR 2897051 A1 20070810 - GEN ELECTRIC [US]
- [Y] US 5801069 A 19980901 - HARADA KENICHI [JP], et al
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Designated extension state (EPC)

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DOCDB simple family (publication)

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