

Title (en)

Device comprising an adaptive bending actuator for emitting a signal tone

Title (de)

Vorrichtung mit einem adaptiven Biegewandler zur Abgabe eines Signaltone

Title (fr)

Dispositif pourvu d'un transducteur de flexion adaptatif pour l'émission d'un bip sonore

Publication

**EP 1740014 A1 20070103 (DE)**

Application

**EP 06114060 A 20060517**

Priority

DE 102005029977 A 20050628

Abstract (en)

An adaptive bending transducer has a baseplate (2) that shifts an audio signal by oscillating. An actuator (3) on the baseplate is controllable to swing the baseplate based on an information signal (N) e.g. sinusoidal sweep signal having different information signal frequencies. A controller (4) adjusts the natural frequency of the bending transducer based on the information signal frequency.

IPC 8 full level

**H04R 7/04** (2006.01)

CPC (source: EP)

**B06B 1/0269** (2013.01); **H04R 7/045** (2013.01); **H04R 17/00** (2013.01)

Citation (search report)

- [XA] WO 9709846 A1 19970313 - VERITY GROUP PLC [GB], et al
- [X] WO 03041448 A1 20030515 - HARMANN BECKER AUTOMOTIVE SYST [DE], et al

Cited by

US8611576B2; WO2010000411A1; US8760971B2; US10067099B2

Designated contracting state (EPC)

DE FR GB IT

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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