

Title (en)

HALF WAVE TRANSDUCER USING AN ACTIVE PIEZO-ELECTRIC POLYMER ELEMENT

Publication

**EP 0100711 A3 19841114 (FR)**

Application

**EP 83401485 A 19830719**

Priority

FR 8213357 A 19820730

Abstract (en)

[origin: US4473769A] The invention relates to electromechanical transducers of the half-wave type in which the active element is a foil of piezoelectric polymer surrounded by electrodes. The invention provides a transducer in which the vibrating structure comprises, integral with the active piezoelectric polymer foil, at least one passive foil serving as a support for the electrodes.

IPC 1-7

**G10K 11/34**; H01L 41/10; H04R 17/00

IPC 8 full level

**B06B 1/06** (2006.01)

CPC (source: EP US)

**B06B 1/0692** (2013.01 - EP US); **Y10S 310/80** (2013.01 - EP US)

Citation (search report)

- [YP] FR 2503517 A1 19821008 - THOMSON CSF [FR]
- [Y] US 4117074 A 19780926 - TIERSTEN HARRY F, et al
- [A] EP 0015886 A1 19800917 - TORAY INDUSTRIES [JP]

Cited by

EP0186096A3; EP0176030A3

Designated contracting state (EPC)

DE GB NL SE

DOCDB simple family (publication)

**EP 0100711 A2 19840215**; **EP 0100711 A3 19841114**; FR 2531298 A1 19840203; FR 2531298 B1 19860627; US 4473769 A 19840925

DOCDB simple family (application)

**EP 83401485 A 19830719**; FR 8213357 A 19820730; US 51768683 A 19830727