

Title (en)

Device for modifying a characteristic of an electric signal

Title (de)

Vorrichtung zur Veränderung eines Merkmals eines elektrischen Signals

Title (fr)

Dispositif de modification d'une caractéristique d'un signal électrique

Publication

EP 2323142 B1 20171220 (FR)

Application

EP 10191254 A 20101115

Priority

FR 0958090 A 20091117

Abstract (en)

[origin: EP2323142A1] The device (2) has a beam (7) with transverse parts, where one part is made of piezoelectric material. Transversal actuation electrodes (11b) are associated to the material to apply constraint on the arm. A magnetic element made of uniaxial magnetic material is directly arranged on the arm, where permeability of the element varies according to the constraint. A wire strip (20) is placed on a side of the beam, and electromagnetically coupled with the element. The strip has a central part (22) fixed on an upper surface of the element opposite to a lower surface of the element facing the arm.

IPC 8 full level

H01F 21/08 (2006.01); **H10N 39/00** (2023.01); **H01L 23/64** (2006.01)

CPC (source: EP US)

H01F 21/08 (2013.01 - EP US); **H01L 2924/0002** (2013.01 - EP US)

C-Set (source: EP US)

H01L 2924/0002 + **H01L 2924/00**

Cited by

EP3410449A1; FR3066854A1; US11037717B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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