

Title (en)
PIEZOELECTRIC TRANSFORMER

Title (de)
PIEZOELEKTRISCHER TRANSFORMATOR

Title (fr)
TRANSFORMATEUR PIEZO-ELECTRIQUE

Publication
EP 1776724 A1 20070425 (DE)

Application
EP 05774390 A 20050804

Priority
• DE 2005001383 W 20050804
• DE 102004039423 A 20040813

Abstract (en)
[origin: WO2006015580A1] The invention relates to a piezoelectric transformer comprising a base body containing a piezoelectric material. The piezoelectric material is polarised in an inlet part (1) of the base body, along a first axis, and in an outlet part (2) of the base body, along a second axis perpendicular to the first axis. The polarisation of the piezoelectric material gradually changes direction in a transition region between the inlet part and the outlet part, from a polarisation along the first axis to a polarisation along the second axis.

IPC 8 full level
H01L 41/04 (2006.01); **H01L 41/107** (2006.01); **H01L 41/24** (2006.01); **H01L 41/257** (2013.01)

CPC (source: EP US)
H10N 30/045 (2023.02 - EP US); **H10N 30/40** (2023.02 - EP US)

Citation (search report)
See references of WO 2006015580A1

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
WO 2006015580 A1 20060216; DE 112005002597 A5 20070802; EP 1776724 A1 20070425; JP 2008509566 A 20080327; US 2007278906 A1 20071206

DOCDB simple family (application)
DE 2005001383 W 20050804; DE 112005002597 T 20050804; EP 05774390 A 20050804; JP 2007525160 A 20050804; US 70685907 A 20070213