

Title (en)
PIEZOELECTRIC TRANSFORMER

Title (de)
PIEZOELEKTRISCHER TRANSFORMATOR

Title (fr)
TRANSFORMATEUR PIÉZOÉLECTRIQUE

Publication
EP 3375019 A1 20180919 (DE)

Application
EP 16794583 A 20161108

Priority
• DE 102015119656 A 20151113
• EP 2016076995 W 20161108

Abstract (en)
[origin: WO2017081015A1] Disclosed is a piezoelectric transformer (1) formed by a cylinder-shaped base body (2) with an input region (4) and an output region (5), wherein the cylinder axis extends in a longitudinal direction (L). The output region (5) comprises a single piezoelectric layer (12), which is polarised in the longitudinal direction (L). In the input region (4) a first piezoelectric layer (6), on which a first inner electrode (7) is arranged, and a second piezoelectric layer (8), on which a second inner electrode (9) is arranged, are wound around each other, wherein the layers (6, 8) are each polarised in a radial direction (R).

IPC 8 full level
H01L 41/107 (2006.01); **H05H 1/24** (2006.01)

CPC (source: EP US)
H05H 1/24 (2013.01 - EP US); **H05H 1/2481** (2021.05 - EP); **H10N 30/40** (2023.02 - EP US); **H10N 30/871** (2023.02 - US);
H05H 1/2481 (2021.05 - US); **H10N 30/506** (2023.02 - EP US)

Citation (search report)
See references of WO 2017081015A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102015119656 A1 20170518; DE 202016008999 U1 20210506; EP 3375019 A1 20180919; JP 2018536992 A 20181213;
JP 2020170703 A 20201015; US 11101426 B2 20210824; US 2018331277 A1 20181115; WO 2017081015 A1 20170518

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DE 102015119656 A 20151113; DE 202016008999 U 20161108; EP 16794583 A 20161108; EP 2016076995 W 20161108;
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