

Title (en)

ELECTROACOUSTIC TRANSDUCER HAVING FEWER SECOND-ORDER NONLINEARITIES

Title (de)

ELEKTROAKUSTISCHER WANDLER MIT VERRINGERTEN NICHTLINEARITÄTEN ZWEITER ORDNUNG

Title (fr)

TRANSDUCTEUR ÉLECTRO-ACOUSTIQUE À NON-LINÉARITÉS DE SECOND ORDRE RÉDUITES

Publication

**EP 3381124 A1 20181003 (DE)**

Application

**EP 16790378 A 20161103**

Priority

- DE 102015120654 A 20151127
- EP 2016076542 W 20161103

Abstract (en)

[origin: WO2017089090A1] Disclosed is a transducer having fewer second-order nonlinearities. In order to reduce nonlinearities, the transducer (IDT) comprises an insulation zone (IB) between the electrode fingers (EF1) and the opposite busbar (BB), and a dielectric material (DM) for reducing the electric field strength (Ey) in the insulation zone.

IPC 8 full level

**H03H 9/02** (2006.01); **H03H 9/145** (2006.01)

CPC (source: EP US)

**H03H 9/02818** (2013.01 - EP US); **H03H 9/14538** (2013.01 - EP US)

Citation (search report)

See references of WO 2017089090A1

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)

**WO 2017089090 A1 20170601**; CN 108770380 A 20181106; DE 102015120654 A1 20170601; EP 3381124 A1 20181003; US 2018351531 A1 20181206

DOCDB simple family (application)

**EP 2016076542 W 20161103**; CN 201680068408 A 20161103; DE 102015120654 A 20151127; EP 16790378 A 20161103; US 201615778997 A 20161103