

Title (en)  
PIEZOELECTRIC TRANSFORMER

Title (de)  
PIEZOELEKTRISCHER TRANSFORMATOR

Title (fr)  
TRANSFORMATEUR PIÉZOÉLECTRIQUE

Publication  
**EP 2050149 A1 20090422 (DE)**

Application  
**EP 07817742 A 20071023**

Priority  
• DE 2007001908 W 20071023  
• DE 102006050064 A 20061024

Abstract (en)  
[origin: DE102006050064A1] The transformer has a ceramic body (3), which comprises two functional parts (5, 7) and an insulation area (10), which mechanically connects the functional parts. Passages (1, 2) are formed in the body and penetrate through both the functional parts and the insulation area. The passages extend in a longitudinal direction of the body, where each functional part has alternatively arranged inner electrodes (4a, 4b, 8a, 8b), which are aligned perpendicularly to the longitudinal direction. A filling material or a passivation layer (12) is arranged in each of the passages. An independent claim is also included for a method for manufacturing a piezoelectric transformer.

IPC 8 full level  
**H01L 41/107** (2006.01); **H01L 41/39** (2013.01)

CPC (source: EP)  
**H10N 30/06** (2023.02); **H10N 30/40** (2023.02); **H10N 30/874** (2023.02)

Citation (search report)  
See references of WO 2008049416A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**DE 102006050064 A1 20080430**; EP 2050149 A1 20090422; WO 2008049416 A1 20080502

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**DE 102006050064 A 20061024**; DE 2007001908 W 20071023; EP 07817742 A 20071023