

Title (en)  
ELECTROACOUSTIC TRANSDUCER

Title (de)  
ELEKTROAKUSTISCHER WANDLER

Title (fr)  
CONVERTISSEUR ÉLECTROACOUSTIQUE

Publication  
**EP 2001604 B1 20111026 (DE)**

Application  
**EP 07711877 A 20070309**

Priority  
• EP 2007002071 W 20070309  
• DE 102006015493 A 20060403

Abstract (en)  
[origin: US2009174288A1] An electroacoustic transducer, particularly for underwater use, having a ceramic body (10) and a pair of electrodes, whose flat electrodes (11, 12) are arranged on mutually averted end faces (101, 102) of the ceramic body (10). At least one electrode (11) is structured in order to effectively suppress the side-lobes in the directional characteristic for all spatial directions such that the density of the ceramic body (10) decreases from the body center to the body edge.

IPC 8 full level  
**B06B 1/06** (2006.01)

CPC (source: EP US)  
**B06B 1/0622** (2013.01 - EP US); **B06B 1/0625** (2013.01 - EP US)

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

DOCDB simple family (publication)  
**US 2009174288 A1 20090709; US 7800284 B2 20100921**; AT E530263 T1 20111115; DE 102006015493 A1 20071011;  
DE 102006015493 B4 20101223; EP 2001604 A2 20081217; EP 2001604 B1 20111026; WO 2007115625 A2 20071018;  
WO 2007115625 A3 20080403; WO 2007115625 B1 20080703

DOCDB simple family (application)  
**US 22601007 A 20070309**; AT 07711877 T 20070309; DE 102006015493 A 20060403; EP 07711877 A 20070309; EP 2007002071 W 20070309