

Title (en)
Electronic device with electret electro-acoustic transducer

Title (de)
Elektronische Vorrichtung mit elektroakustischem Elektretwandler

Title (fr)
Dispositif électronique avec transducteur électro-acoustique à électret

Publication
EP 2369855 B1 20140507 (EN)

Application
EP 11162045 A 20090902

Priority
• EP 09169282 A 20090902
• TW 97141921 A 20081031

Abstract (en)
[origin: EP2182737A1] An electronic device is provided. The electronic device includes a housing and an electro-acoustic transducer disposed on the inner surface of the housing. The electro-acoustic transducer includes an electret diaphragm, a conductive plate and at least one spacer. The electret diaphragm is positioned on the inner surface of the housing and has a film body and an electrode layer. The film body has static charges and the electrode layer is formed on the lower surface of the film body. The conductive plate has a plurality of openings and is stacked on the upper surface of the film body. The spacer is positioned between the electret diaphragm and the conductive plate to keep a predetermined distance therebetween.

IPC 8 full level
H04R 19/01 (2006.01)

CPC (source: EP)
H04R 19/013 (2013.01); **H04R 2499/11** (2013.01)

Citation (examination)
US 2004170291 A1 20040902 - EATON W CHRIS [US]

Cited by
US11228844B2

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
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EP 09169282 A 20090902; EP 11162045 A 20090902; JP 2009241546 A 20091020; TW 97141921 A 20081031