

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 A2 20110928 (EN)**

Application

**EP 11162045 A 20090902**

Priority

- EP 09169282 A 20090902
- TW 97141921 A 20081031

Abstract (en)

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 layer and at least one spacer. The conductive layer is formed on the inner surface of the housing. The electret diaphragm is stacked on the conductive layer and has a film body and an electrode layer. The film body has static charges and the electrode layer is formed on the film body. The spacer is positioned between the electret diaphragm and the conductive layer to keep a predetermined distance between the electret diaphragm and the conductive layer.

IPC 8 full level

**H04R 19/01** (2006.01)

CPC (source: EP)

**H04R 19/013** (2013.01); **H04R 2499/11** (2013.01)

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)

**EP 2182737 A1 20100505; EP 2182737 B1 20140305**; EP 2369855 A2 20110928; EP 2369855 A3 20120404; EP 2369855 B1 20140507; JP 2010109979 A 20100513; JP 5054749 B2 20121024; TW 201018252 A 20100501; TW I454156 B 20140921

DOCDB simple family (application)

**EP 09169282 A 20090902**; EP 11162045 A 20090902; JP 2009241546 A 20091020; TW 97141921 A 20081031