

Title (en)

A front resonator for a speaker of a wireless device

Title (de)

Frontresonator für einen Lautsprecher einer drahtlosen Vorrichtung

Title (fr)

Résonateur avant pour haut-parleur d'un dispositif sans fil

Publication

EP 2288177 B1 20130731 (EN)

Application

EP 09168256 A 20090820

Priority

EP 09168256 A 20090820

Abstract (en)

[origin: EP2288177A1] A front resonator (400) for a speaker (134) of a wireless device (100), comprising: an enclosure (410) mounted over the speaker (134) and forming with an upper surface (1100) of the speaker (134) a front volume (900) for the front resonator (400); and, a horizontal or approximately horizontal tube (910) formed or mounted on a surface (411) of the enclosure (410), the tube (910) coupled to the front volume (900), and the tube (910) having at least one end (430, 440) to emit sound generated by the speaker (134) and passing through the front volume (900) and tube (910) from the wireless device (100).

IPC 8 full level

H04R 1/28 (2006.01)

CPC (source: EP)

H04R 1/2842 (2013.01); **H04R 1/2849** (2013.01); **H04R 2499/11** (2013.01)

Citation (examination)

EP 1916869 A2 20080430 - LG ELECTRONICS INC [KR]

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 2288177 A1 20110223; **EP 2288177 B1 20130731**; CA 2711351 A1 20110220; CA 2711351 C 20141021; EP 2595409 A2 20130522; EP 2595409 A3 20130807

DOCDB simple family (application)

EP 09168256 A 20090820; CA 2711351 A 20100726; EP 13154777 A 20090820