

Title (en)

METHOD AND APPARATUS FOR OUTPUTTING SOUND THROUGH SPEAKER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR TONAUSGABE ÜBER LAUTSPRECHER

Title (fr)

PROCÉDÉ ET APPAREIL POUR ÉMETTRE UN SON PAR LE BIAIS D'UN HAUT-PARLEUR

Publication

**EP 3614691 A1 20200226 (EN)**

Application

**EP 19201658 A 20141024**

Priority

- US 201361895103 P 20131024
- KR 20140019433 A 20140220
- EP 14855027 A 20141024
- KR 2014010058 W 20141024

Abstract (en)

A terminal apparatus (600) comprising a first speaker (625, 627), a second speaker (626, 628) and a controller configured to identify where the first speaker and the second speaker are located, and control the first speaker and the second speaker to output sound, respectively, based on the identified locations of the first speaker and the second speaker. The first speaker and the second speaker output sound through a plurality of slits, which are designed to each have a thickness that is less than an wavelength of sound emitted therefrom so that the plurality of slits act as an origin from which the sound is emitted.

IPC 8 full level

**H04R 1/26** (2006.01); **H04R 5/02** (2006.01)

CPC (source: EP US)

**H04R 1/028** (2013.01 - US); **H04R 1/26** (2013.01 - EP); **H04R 1/403** (2013.01 - EP); **H04R 3/12** (2013.01 - EP); **H04R 5/02** (2013.01 - EP US); **H04R 7/045** (2013.01 - EP); **H04R 2499/11** (2013.01 - EP); **H04R 2499/15** (2013.01 - EP US); **H04S 7/303** (2013.01 - EP)

Citation (applicant)

- KR 20140019433 A 20140214 - LG ELECTRONICS INC [KR]
- US 201361895103 P 20131024

Citation (search report)

- [XI] EP 2360938 A1 20110824 - SAMSUNG ELECTRONICS CO LTD [KR]
- [A] JP 2012244314 A 20121210 - PANASONIC CORP
- [A] US 2010067726 A1 20100318 - SUZUKI NOBUKAZU [JP], et al

Cited by

CN111327850A

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

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