

Title (en)

Apparatus, systems and methods for inaudibly identifying an audio accessory using spectral shaping

Title (de)

Vorrichtung, Systeme und Verfahren zur unhörbaren Identifizierung eines Audiozubehörs unter Verwendung von Spektralformung

Title (fr)

Appareil, systèmes et procédés permettant d'identifier confusément un accessoire audio par la mise en forme spectrale

Publication

EP 2763433 A1 20140806 (EN)

Application

EP 13153735 A 20130201

Priority

EP 13153735 A 20130201

Abstract (en)

A method for identifying an accessory coupled to an electronic device. The method includes applying at least one detection pulse to the audio accessory, each detection pulse being spectrally shaped to be generally inaudible to a human user, receiving at least one response signal corresponding to each detection pulse that is indicative of the impedance of the accessory, and based on the impedance, identifying the accessory.

IPC 8 full level

H04R 3/00 (2006.01); **H04R 29/00** (2006.01)

CPC (source: EP)

H04R 3/00 (2013.01); **H04R 29/001** (2013.01); **H04R 5/04** (2013.01); **H04R 2420/05** (2013.01)

Citation (search report)

- [Y] EP 2224749 A1 20100901 - RESEARCH IN MOTION LTD [CA]
- [Y] US 2008318629 A1 20081225 - INHA KAI [FI], et al
- [A] US 2006104453 A1 20060518 - LEE JAE-CHEOL [KR], et al
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CN113287327A; EP3480950A1; CN109752608A; US10436828B2; EP3119106A1; WO2020120945A1; US11206487B2; US11653150B2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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