

Title (en)

METHOD AND DEVICE FOR SYNTHESIZING AN AUDIO SIGNAL ACCORDING TO CONTACTS SET ON A VIBRATING MEMBER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR SYNTHESE EINES AUDIOSIGNALS ENTSPRECHEND DER AUF EINEM SCHWINGUNGSELEMENT GESETZTEN KONTAKTE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE SYNTHÈSE D'UN SIGNAL AUDIO SELON DES CONTACTS IMPARTIS SUR UN ORGANE VIBRANT

Publication

**EP 2550650 A1 20130130 (FR)**

Application

**EP 11730995 A 20110324**

Priority

- FR 1001155 A 20100324
- FR 1001154 A 20100324
- FR 2011000171 W 20110324

Abstract (en)

[origin: WO2011117483A1] The invention relates to a method for synthesizing a synthesized audio signal, wherein at least one audio contact signal is produced for each excitation contact of a sequence of contacts set on a vibrating member (2). A partial persistence attenuation signal is generated from at least one vibration signal representative of the vibration of the vibrating member (2) generated by at least one excitation contact, referred to as a partial contact, the partial persistence attenuation being representative of a partial attenuation of at least one persistent audio contact signal resulting from an excitation contact prior to said partial contact. The audio signal synthesized after said partial contact is produced by mixing the audio contact signal of said partial contact and of each affected persistent audio signal of the partial persistence attenuation signal. The invention extends to a device (3) for synthesizing said synthesized audio signal.

IPC 8 full level

**G10H 1/12** (2006.01); **G10H 3/12** (2006.01); **G10H 3/18** (2006.01); **G10H 5/00** (2006.01)

CPC (source: EP)

**G10H 3/188** (2013.01); **G10H 5/007** (2013.01); **G10H 2250/521** (2013.01)

Citation (search report)

See references of WO 2011117483A1

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)

**WO 2011117483 A1 20110929**; EP 2550650 A1 20130130

DOCDB simple family (application)

**FR 2011000171 W 20110324**; EP 11730995 A 20110324