

Title (en)
EMULATION OF AT LEAST ONE SOUND OF A DRUM-TYPE PERCUSSION INSTRUMENT

Title (de)
EMULATION VON MINDESTENS EINEM TON EINES SCHLAGINSTRUMENTS VOM TROMMELTYP

Title (fr)
EMULATION D'AU MOINS UN SON D'INSTRUMENT DE PERCUSSION DU TYPE BATTERIE

Publication
EP 3568849 A1 20191120 (FR)

Application
EP 18700945 A 20180108

Priority
• FR 1750229 A 20170111
• FR 2018050034 W 20180108

Abstract (en)
[origin: WO2018130768A1] The invention relates to a removable electronic device (100) for emulating at least one sound of a drum-type percussion instrument, said device (100) used to form an instrument from a striking element (EF) comprising: defining means (40) designed to define a striking area (ZF) on a tangible support; allocating means (50) configured so as to allocate a drum element associated with a predetermined sound to the striking area (ZF), in a database (DB); at least one sensor (10, 20) for generating a striking signal (s1) comprising at least one piece of information, called striking information, in relation to the striking action of a user (U) with the striking element (EF) in the striking area (ZF); computer processing means (60) implementing a processing algorithm configured to process the striking signal (s1) in such a way as to spatially locate said striking in order to detect the area struck and to determine the drum element corresponding to said struck area (ZF); and generating means (70) designed to generate a sound signal (s2) comprising information relating to the sound virtually generated by said striking of the striking element (EF) on said struck area.

IPC 8 full level
G10H 1/00 (2006.01); **G10H 1/42** (2006.01)

CPC (source: EP US)
G10D 13/11 (2020.02 - US); **G10H 1/0008** (2013.01 - EP US); **G10H 1/0083** (2013.01 - US); **G10H 1/42** (2013.01 - EP); **G10H 3/146** (2013.01 - US); **G10H 5/007** (2013.01 - US); **G10H 2220/185** (2013.01 - EP US); **G10H 2220/391** (2013.01 - EP US); **G10H 2220/395** (2013.01 - EP US); **G10H 2220/401** (2013.01 - EP US); **G10H 2230/275** (2013.01 - EP US)

Citation (search report)
See references of WO 2018130768A1

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)
FR 3061797 A1 20180713; FR 3061797 B1 20210618; EP 3568849 A1 20191120; EP 3568849 B1 20200722; US 11120780 B2 20210914; US 2020111461 A1 20200409; WO 2018130768 A1 20180719

DOCDB simple family (application)
FR 1750229 A 20170111; EP 18700945 A 20180108; FR 2018050034 W 20180108; US 201816470444 A 20180108