

Title (en)  
MUSICAL DEVICE AND ASSOCIATED METHOD

Title (de)  
MUSIKVORRICHTUNG UND ZUGEHÖRIGES VERFAHREN

Title (fr)  
DISPOSITIF MUSICAL ET MÉTHODE ASSOCIÉE

Publication  
**EP 4118640 A1 20230118 (FR)**

Application  
**EP 21709997 A 20210309**

Priority  
• EP 2021055940 W 20210309  
• FR 2002374 A 20200310

Abstract (en)  
[origin: CA3170279A1] The invention relates to a musical device (1) comprising: ? a frame (2) comprising ? a plurality of receptacles (11) for receiving three-dimensional pieces (10) each comprising a face (14) that is capable of permutating between at least two orientations in the receptacle (11); each piece (10) comprising an indexing element (7) for orientating the piece (10) among the at least two orientations, ? a plurality of detectors, each detector being associated with a receptacle for determining the orientation of the piece (10) via the detection of an indexing element (7) in the receptacle (11) thereof, ? at least one audio system (5), the insertion of at least two pieces (10) in the respective receptacle (11) thereof triggering the sound diffusion by the audio system (5) of at least two musical tracks that are simultaneously given in accordance with each of the orientations of the pieces (10) thus determined; the device (1) further comprising a calculation system for ensuring the synchronisation of the musical tracks (M1) that are diffused simultaneously.

IPC 8 full level  
**G10H 1/26** (2006.01); **A63H 5/00** (2006.01)

CPC (source: EP US)  
**A63H 5/00** (2013.01 - EP); **G10H 1/0008** (2013.01 - US); **G10H 1/26** (2013.01 - EP); **G10H 1/32** (2013.01 - US); **G10H 2220/391** (2013.01 - EP); **G10H 2220/521** (2013.01 - EP US); **G10H 2230/055** (2013.01 - EP); **G10H 2240/325** (2013.01 - EP US)

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**FR 3108202 A1 20210917**; **FR 3108202 B1 20220408**; CA 3170279 A1 20210916; EP 4118640 A1 20230118; EP 4118640 B1 20240221; EP 4118640 C0 20240221; US 11862132 B2 20240102; US 2023122747 A1 20230420; WO 2021180734 A1 20210916

DOCDB simple family (application)  
**FR 2002374 A 20200310**; CA 3170279 A 20210309; EP 2021055940 W 20210309; EP 21709997 A 20210309; US 202117910945 A 20210309