

Title (en)

Detachable and foldable integrated organ and process for manufacturing keyboard thereof

Title (de)

Abnehmbare und klappbare integrierte Orgel und Verfahren zur Herstellung einer Tastatur dafür

Title (fr)

Organe intégré amovible et repliable et son procédé de fabrication de clavier

Publication

**EP 2677515 A2 20131225 (EN)**

Application

**EP 12185743 A 20120924**

Priority

CN 201210207981 A 20120621

Abstract (en)

A detachable and foldable integrated organ includes a keyboard and a host mounted detachably thereon, the keyboard includes a flexible substrate on which flexible keys are provided, a flexible circuit board is provided between the substrate and the keys to generate an electrical signal corresponding to an action of the keys in response to the action, and an elastic arm for enhancing the resiliency of the keys are provided between the flexible circuit board and the key; the host is electrically connected to the flexible circuit board and adapted to process the electrical signal corresponding to the action of the key, and drive a speaker to sound. The detachable design between host and keyboard results in a more flexible and higher productivity; the keyboard is made of flexible material and thus is foldable, which can effectively reduce the volume of the organ and make it easy to carry.

IPC 8 full level

**G10H 1/34** (2006.01); **G06F 3/02** (2006.01)

CPC (source: EP)

**G10H 1/34** (2013.01); **G10H 2220/256** (2013.01)

Citation (applicant)

- CN 201859646 U 20110608 - ZHOU TANG, et al
- CN 2837982 Y 20061115 - JIN JIANYU [CN]
- CN 2741143 Y 20051116 - JINGCAI INDUSTRY CO LTD YIWU [CN]

Cited by

US9769293B2; US10345916B2

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)

**EP 2677515 A2 20131225; EP 2677515 A3 20140312**

DOCDB simple family (application)

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