

Title (en)

Contact type of electric connection building block and electric connection unit disposed therein

Title (de)

Kontakttyp eines elektrischen Anschlussaufbaublocks und elektrische Verbindungseinheit darin

Title (fr)

Type de contact de bloc de construction de connexion électrique et unité de connexion électrique disposée dans celui-ci

Publication

EP 2832406 A1 20150204 (EN)

Application

EP 13178418 A 20130729

Priority

EP 13178418 A 20130729

Abstract (en)

A contact type of electric connection building block includes an electric connection unit, which has an electronic device and electronic connection posts mounted on a circuit board of the electronic device. The electric connection unit is modularized, and the first and second electrodes of the electric connection post are provided with the contact portions to be connected with the circuit board of the electronic device. Thus, it does not need soldering and reduces environmental contamination. Moreover, when the first and second electrodes of a building block are respectively connected with the first and second electrodes of another building block, the first and second insertion portions could provide stable and accurate contact effect. Furthermore, the electric connection post only needs the post member and the first and second electrodes to assemble. It greatly reduces the numbers of components, simplifies assembling processes and reduces assembling time.

IPC 8 full level

A63H 33/04 (2006.01)

CPC (source: EP)

A63H 33/042 (2013.01); **A63H 33/086** (2013.01)

Citation (applicant)

TW M408402 U 20110801 - LIN JIA-YAN [TW]

Citation (search report)

- [XA] US 2013109268 A1 20130502 - LIN CHIA-YEN [CN]
- [XA] WO 8601343 A1 19860227 - INTERLEGO AG [CH], et al
- [A] WO 2010009731 A2 20100128 - LEGO AS [DK], et al
- [A] EP 0117846 A1 19840905 - INTERLEGO AG [CH]
- [A] GB 2188956 A 19871014 - KATABLE COMPANY LIMITED

Cited by

WO2019150240A1

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 2832406 A1 20150204; EP 2832406 B1 20151007

DOCDB simple family (application)

EP 13178418 A 20130729