

Title (en)

Electrical connector

Title (de)

Elektrischer Steckverbinder

Title (fr)

Connecteur électrique

Publication

EP 1965469 A2 20080903 (EN)

Application

EP 08250645 A 20080226

Priority

JP 2007050192 A 20070228

Abstract (en)

A connector (1) of the invention is connected to a battery (40) and has a connector housing (10) having contact retaining portions and a connection face that is brought close to the battery; and contacts constituted of a conductive plate-form body and having a fixing portion that is fixed to the connector housing by a contact retaining portion; a contacting portion that projects from the connection face and contacts with a conductive member of the counterpart unit; a resilient portion that is located between the fixing portion and the contacting portion and that biases the contacting portion so as to protrude from the connection face; and a latching portion that regulates the amount by which the contacting portion protrudes from the connection face. In the connection face of the connector housing there are provided contact support portions which protrude a certain distance from the connection face, and so that the latching portions are arranged to latch onto the contact support portions. Embodiments of the present technique can provide an electrical connector which has contacts that will have an adequate stroke displacement amount, and be able to contact with adequate contacting force, even in cases where the counterpart conductive members are located in a deep position.

IPC 8 full level

H01R 13/24 (2006.01)

CPC (source: EP)

H01R 13/2442 (2013.01)

Citation (applicant)

JP 2005129374 A 20050519 - SMK KK

Cited by

CN101800371A; CN105518942A; EP3044838A4; US8993153B2; US8100731B2; US8197290B2; WO2011019862A1; WO2015032098A1; US9761980B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1965469 A2 20080903; **EP 1965469 A3 20120104**; JP 2008218035 A 20080918; JP 4482568 B2 20100616

DOCDB simple family (application)

EP 08250645 A 20080226; JP 2007050192 A 20070228