

Title (en)  
CONNECTOR AND CAMERA DEVICE EQUIPPED THEREWITH

Title (de)  
VERBINDER UND KAMERAVORRICHTUNG DAMIT

Title (fr)  
CONNECTEUR ET DISPOSITIF DE CAMÉRA LE COMPORTANT

Publication  
**EP 3264535 A4 20181107 (EN)**

Application  
**EP 16755018 A 20160226**

Priority  
• JP 2015039027 A 20150227  
• JP 2016001036 W 20160226

Abstract (en)  
[origin: EP3264535A1] The invention provides a connector which, while allowing a displaceable circuit board to be displaced readily, is capable, by way of a simple constitution, of connecting adequately and stably a connector terminal to the circuit terminal of the circuit board. A circuit terminal part (16) is attached to the circuit board (11), which is housed inside a casing (15) so as to be displaceable and whereon an imaging element (12) is mounted, and comprises the terminal (16a), which is connected to the imaging element (12). The connector terminal (21) is an electrically conductive rod-shaped body provided so as to pass through a planar connector housing (141), the connector housing (141) constituting one wall portion of the casing (15) and disposed so as to face, in the circuit board (11) thickness direction, the surface among the circuit board (11) whereon the circuit terminal part (16) is attached; and, the connector terminal (21) contacts the circuit terminal part (16) via an extremity surface (212) on the circuit board (11) side. The contact point portion of the circuit terminal part (16) is biased to the connector housing (141) side by elastic deformation portions (166, 167), is displaceable in the circuit board (11) thickness direction, and contacts while pushing the connector terminal (21) extremity surface (212) to the connector housing (141) side.

IPC 8 full level  
**H01R 12/51** (2011.01); **H01R 12/91** (2011.01); **H01R 13/24** (2006.01)

CPC (source: EP)  
**H01R 12/51** (2013.01); **H01R 12/91** (2013.01); **H01R 13/24** (2013.01)

Citation (search report)  
• [X] JP 2009099411 A 20090507 - YAZAKI CORP  
• [X] JP 2008170801 A 20080724 - SMK KK  
• [A] JP 2006351210 A 20061228 - AUTO NETWORK GIJUTSU KENKYUSHO, et al  
• See references of WO 2016136268A1

Cited by  
EP3641065A1; WO2021052734A1

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

DOCDB simple family (publication)  
**EP 3264535 A1 20180103; EP 3264535 A4 20181107; EP 3264535 B1 20220330**; CN 107251330 A 20171013; CN 107251330 B 20200724; JP 2016162556 A 20160905; JP 6543961 B2 20190717; WO 2016136268 A1 20160901

DOCDB simple family (application)  
**EP 16755018 A 20160226**; CN 201680012192 A 20160226; JP 2015039027 A 20150227; JP 2016001036 W 20160226