

Title (en)  
CONNECTOR

Title (de)  
VERBINDER

Title (fr)  
CONNECTEUR

Publication  
**EP 3051634 A4 20161019 (EN)**

Application  
**EP 14847537 A 20140804**

Priority  
• JP 2013201222 A 20130927  
• JP 2014070462 W 20140804

Abstract (en)  
[origin: EP3051634A1] Provided is a connector effectively capable of reducing the possibility of short-circuiting and electrical discharge between a conductive member and circuit boards or contacts when a first connector and a second connector are connected even when the entire connector is low in profile. A solution is provided in which the conductive member 55 is positioned between the first circuit board and the second circuit board when the first contacts 50 and the second contacts 25 are mounted to the circuit pattern of the first circuit board 60 and the circuit pattern of the second circuit board 31, respectively, and the outer peripheral wall 38 of the first insulator 36 includes the conductive-member shield portions 38a1 and 38a2, positioned between the conductive member and the first circuit board together with the tail portions 51 of the first contacts, and/or between the second circuit board and the conductive member.

IPC 8 full level  
**H01R 12/73** (2011.01); **H01R 12/71** (2011.01); **H01R 13/6585** (2011.01); **H01R 13/6594** (2011.01)

CPC (source: EP)  
**H01R 12/716** (2013.01); **H01R 12/73** (2013.01); **H01R 13/6585** (2013.01); **H01R 13/20** (2013.01); **H01R 13/6594** (2013.01)

Citation (search report)  
• [X] JP 2005071769 A 20050317 - JAPAN AVIATION ELECTRON  
• [X] US 7494378 B1 20090224 - PENG YUNG-CHI [TW]  
• [X] JP 2012252785 A 20121220 - JAPAN AVIATION ELECTRONICS IND LTD  
• [X] US 2006040557 A1 20060223 - YAMAGUCHI HIDETO [JP]  
• See references of WO 2015045623A1

Cited by  
US12034255B2; TWI804260B

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 3051634 A1 20160803; EP 3051634 A4 20161019; EP 3051634 B1 20200115**; JP 6401705 B2 20181010; JP WO2015045623 A1 20170309; WO 2015045623 A1 20150402

DOCDB simple family (application)  
**EP 14847537 A 20140804**; JP 2014070462 W 20140804; JP 2015539000 A 20140804