

Title (en)  
ELECTRICAL CONNECTOR FOR MOTOR VEHICLES

Title (de)  
ELEKTRISCHER VERBINDER FÜR KRAFTFAHRZEUGE

Title (fr)  
CONNECTEUR ÉLECTRIQUE POUR VÉHICULES À MOTEUR

Publication  
**EP 3706249 A1 20200909 (EN)**

Application  
**EP 19160770 A 20190305**

Priority  
EP 19160770 A 20190305

Abstract (en)  
Electrical connector for a motor vehicle, comprising:- a jack receptacle connector comprising an insulative housing with a mating face, wherein on the mating face of the insulative housing at least one cavity profiled to receive a complementary plug is arranged, and wherein the insulative housing comprises at least one light indicator area, which is at least partially translucent and has a light entry surface and a light exit surface opposite to the light entry surface for emitting light in the direction of the mating face of the insulative housing, and- a circuit board on which the jack receptacle connector is electrically connected, wherein the circuit board comprises at least one light emitting device, which light emitting device is assigned to the at least one light indicator area and is configured to emit light towards the light entry surface of the at least one light indicator area, wherein the at least one light indicator area and the insulative housing are made of one material, wherein the at least one light indicator area is formed integrally with the insulative housing.

IPC 8 full level  
**H01R 12/72** (2011.01); **H01R 13/717** (2006.01)

CPC (source: EP)  
**H01R 12/722** (2013.01); **H01R 13/7175** (2013.01); **H01R 13/641** (2013.01); **H01R 43/18** (2013.01); **H01R 2201/26** (2013.01)

Citation (applicant)  
• US 4978317 A 19901218 - POCRASS ALAN [US]  
• US 5876239 A 19990302 - MORIN SCOTT FREDERICK [US], et al

Citation (search report)  
• [X] US 2016149355 A1 20160526 - YEOM KYU HWA [KR]  
• [X] US 5613873 A 19970325 - BELL JR JOSEPH W [US]  
• [X] WO 0026997 A1 20000511 - 3COM CORP [US]  
• [X] US 2007059975 A1 20070315 - WALSH PETER J [US]  
• [AD] US 4978317 A 19901218 - POCRASS ALAN [US]

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 3706249 A1 20200909**

DOCDB simple family (application)  
**EP 19160770 A 20190305**