

Title (en)
FLOAT ADAPTER FOR ELECTRICAL CONNECTOR

Title (de)
SCHWIMMERADAPTER FÜR ELEKTRISCHEN VERBINDER

Title (fr)
FLOTTEUR ADAPTATEUR POUR CONNECTEUR ÉLECTRIQUE

Publication
EP 3043425 A1 20160713 (EN)

Application
EP 16150832 A 20160112

Priority
US 201514594585 A 20150112

Abstract (en)
A float adapter for an electrical connector that includes a conductive shell and an insulator received in the conductive shell. The insulator includes an engagement end, an interface end that is opposite the engagement end, and a reduced diameter middle portion therebetween. The insulator includes an inner bore that extends through the engagement end, the interface end, and the reduced diameter middle portion. The interface end has a lead-in tip portion that extends outside of the first end of the conductive shell. The lead-in tip portion has a tapered outer surface that terminates in an end face surface and a shoulder remote from the end face surface that defines an outer diameter that is larger than the inner diameter of the conductive shell. An inner contact is received in the inner bore of the insulator. The inner contact has socket openings at either end.

IPC 8 full level
H01R 13/631 (2006.01); **H01R 24/54** (2011.01)

CPC (source: CN EP)
H01R 12/724 (2013.01 - EP); **H01R 12/91** (2013.01 - CN EP); **H01R 13/02** (2013.01 - CN); **H01R 13/40** (2013.01 - CN);
H01R 13/516 (2013.01 - CN); **H01R 13/6315** (2013.01 - EP); **H01R 24/542** (2013.01 - EP); **H01R 43/20** (2013.01 - CN)

Citation (search report)
• [XY] WO 0052788 A1 20000908 - HUBER+SUHNER AG [CH], et al
• [XA] WO 2013150059 A1 20131010 - HUBER+SUHNER AG [CH]
• [XAY] WO 2013181146 A1 20131205 - EMERSON NETWORK POWER CONNECTIVITY SOLUTIONS INC [US]
• [XA] CN 101459304 A 20090617 - UNIV JIANGSU SCIENCE & TECH [CN]
• [XA] US 4925403 A 19900515 - ZORZY JOHN [US]
• [XAY] CN 101350483 A 20090121 - NINGBO JUNPER COMM TECHNOLOGY [CN]
• [XA] JP H02121286 A 19900509 - HITACHI CABLE

Cited by
US2018269629A1; CN110380284A; US10243301B2; EP4113752A1; WO2018169598A1

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 3043425 A1 20160713; **EP 3043425 B1 20201216**; CN 105789945 A 20160720; CN 105789945 B 20201020

DOCDB simple family (application)
EP 16150832 A 20160112; CN 201610017955 A 20160112