

Title (en)
INSULATION PIERCING CONNECTOR

Title (de)
ISOLIERUNGSDURCHDRINGENDER VERBINDER

Title (fr)
CONNECTEUR PERCE-ISOLANT

Publication
EP 3078079 A2 20161012 (EN)

Application
EP 14809817 A 20141205

Priority

- US 201314099309 A 20131206
- EP 14306842 A 20141120
- EP 2014076692 W 20141205
- EP 14809817 A 20141205

Abstract (en)
[origin: WO2015082674A2] An electrical connector for mechanically and electrically connecting first and second cables, each including an elongate electrical conductor covered by an insulation layer, includes a connector body, an electrically conductive first insulation piercing feature on the connector body, an electrically conductive second insulation piercing feature on the connector body and electrically connected to the first insulation piercing feature, and a compression mechanism. The first insulation piercing feature is configured to pierce through the first insulation layer and electrically engage the first electrical conductor. The second insulation piercing feature is configured to pierce through the second insulation layer and electrically engage the second electrical conductor. The compression mechanism is configured and operable to apply a clamping load along a clamping axis extending through both of the first and second electrical conductors to force the first and second insulation piercing features into electrical engagement with the first and second electrical conductors, respectively.

IPC 8 full level
H01R 9/03 (2006.01); **H01R 4/24** (2006.01); **H01R 13/52** (2006.01)

CPC (source: CN EP US)
H01R 9/031 (2013.01 - CN EP US); **H01R 43/01** (2013.01 - CN); **H01R 4/2408** (2013.01 - EP US); **H01R 4/2445** (2013.01 - EP); **H01R 13/521** (2013.01 - CN)

Citation (search report)
See references of WO 2015082674A2

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)
WO 2015082674 A2 20150611; **WO 2015082674 A3 20150730**; AU 2014359120 A1 20160714; AU 2014359120 B2 20190214; CN 106063040 A 20161026; CN 106063040 B 20181120; EP 3078079 A2 20161012; EP 3078079 B1 20190814

DOCDB simple family (application)
EP 2014076692 W 20141205; AU 2014359120 A 20141205; CN 201480066746 A 20141205; EP 14809817 A 20141205