

Title (en)
TERMINAL/CONNECTOR HAVING INTEGRAL OXIDE BREAKER ELEMENT

Title (de)
ANSCHLUSS/STECKVERBINDER MIT INTEGRIERTEM OXIDSCHUTZSCHALTERELEMENT

Title (fr)
BORNE/CONNECTEUR À BRISE-OXYDE INTÉGRAL

Publication
EP 3039747 B1 20210915 (EN)

Application
EP 14759428 A 20140825

Priority
• US 201314010073 A 20130826
• US 2014052482 W 20140825

Abstract (en)
[origin: WO2015031236A1] A one piece integral electrical terminal 100 has a mount portion 104 and a wire receiving portion 102. The wire receiving portion 102 has a continuous annular interior wall 133 having a contact portion with an integral oxide breaker 158 especially suited to breaking through the oxide layer on aluminum wire. The wire receiving portion 102 also has a sealing portion 136 with at least one integral seal ring 146. An electrical cable is made by crimping the electrical terminal 100 to an aluminum wire using a modified hexagonal crimp.

IPC 8 full level
H01R 4/20 (2006.01); **H01R 4/26** (2006.01); **H01R 4/18** (2006.01); **H01R 4/58** (2006.01); **H01R 11/12** (2006.01); **H01R 13/03** (2006.01); **H01R 13/52** (2006.01)

CPC (source: EP)
H01R 4/206 (2013.01); **H01R 4/26** (2013.01); **H01R 4/188** (2013.01); **H01R 4/58** (2013.01); **H01R 11/12** (2013.01); **H01R 13/03** (2013.01); **H01R 13/5219** (2013.01)

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)
WO 2015031236 A1 20150305; EP 3039747 A1 20160706; EP 3039747 B1 20210915

DOCDB simple family (application)
US 2014052482 W 20140825; EP 14759428 A 20140825