

Title (en)
PLUG-IN COUPLING

Title (de)
STECKKUPPLUNGSSYSTEM

Title (fr)
SYSTÈME D'ACCOUPLEMENT MÂLE/FEMELLE

Publication
EP 2481129 A1 20120801 (DE)

Application
EP 10765936 A 20100817

Priority
• DE 102009042568 A 20090923
• DE 2010000969 W 20100817

Abstract (en)
[origin: WO2011035756A1] The invention relates to a plug-in coupling for the transfer of high-power energy and for the transfer of a fluid under pressure, consisting of at least one coupler plug (2, 2') and at least one coupler socket (3, 3'). The coupler plug (2, 2') can be introduced into the coupler socket (3, 3') to produce a coupled state and can be removed from the coupler socket (3, 3') to produce a decoupled state. The plug-in coupling advantageously comprises at least one electromechanical protection system consisting of at least one electronic switch means (35) and at least one mechanical switch means (4, 11), arranged inside the coupler socket (3) and/or the coupler plug (2), said mechanical switch means establishing or separating the electroconductive connection, the electronic switch means (35) and the mechanical switch means (4, 11) being independently controllable.

IPC 8 full level
H01R 13/00 (2006.01); **H01R 13/703** (2006.01)

CPC (source: EP US)
H01R 13/005 (2013.01 - EP US); **H01R 13/7038** (2013.01 - EP US); **H01R 2201/26** (2013.01 - EP US)

Citation (search report)
See references of WO 2011035756A1

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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102009042568 A1 20110324; **DE 102009042568 B4 20120301**; EP 2481129 A1 20120801; EP 2481129 B1 20150708; US 2012276766 A1 20121101; US 9130286 B2 20150908; WO 2011035756 A1 20110331

DOCDB simple family (application)
DE 102009042568 A 20090923; DE 2010000969 W 20100817; EP 10765936 A 20100817; US 201013497879 A 20100817