

Title (en)
Joint structure for connecting two superconducting cables

Title (de)
Verbindungsstruktur für zwei Supraleiterkabel

Title (fr)
Dispositif de connexion de deux câbles supraconducteurs

Publication
EP 2105994 B1 20130731 (FR)

Application
EP 09154772 A 20090310

Priority
FR 0851948 A 20080326

Abstract (en)
[origin: EP2105994A1] The device has conducting sleeves (5, 5') stacked around denuded parts of two butted superconducting cables, respectively, and a single conducting tube (6) containing the sleeves, where the tube permits mechanical connection with the sleeves. A semi-conductor layer is made of carbon black paper and placed between the connection and an external covering, where the covering is made of insulating material. The sleeve (5) includes electrical contact units constituted by grooves (5F) that are machined in an external wall of a part of the sleeve (5), and receive metallic contact plates.

IPC 8 full level
H01R 4/68 (2006.01); **H01R 4/36** (2006.01); **H01R 13/187** (2006.01)

CPC (source: EP KR US)
H01R 4/36 (2013.01 - EP US); **H01R 4/68** (2013.01 - EP KR US); **H01R 9/11** (2013.01 - KR); **H01R 11/11** (2013.01 - KR); **H01R 13/187** (2013.01 - EP US)

Cited by
EP2375504A1; FR2958807A1; DE202019003381U1; EP4210187A1; FR3131808A1; EP3525306A1

Designated contracting state (EPC)
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 TR

DOCDB simple family (publication)
EP 2105994 A1 20090930; EP 2105994 B1 20130731; CN 101546872 A 20090930; CN 101546872 B 20140312; DK 2105994 T3 20130908; FR 2929454 A1 20091002; FR 2929454 B1 20120504; JP 2009283442 A 20091203; JP 5465895 B2 20140409; KR 101506292 B1 20150326; KR 20090102655 A 20090930; US 2010087101 A1 20100408; US 7999182 B2 20110816

DOCDB simple family (application)
EP 09154772 A 20090310; CN 200910119331 A 20090324; DK 09154772 T 20090310; FR 0851948 A 20080326; JP 2009047924 A 20090302; KR 20090024304 A 20090323; US 38345009 A 20090324