

Title (en)
SUPERCONDUCTIVE CONNECTION OF THE END PIECES OF TWO SUPERCONDUCTORS AND METHOD FOR MANUFACTURING THIS CONNECTION

Title (de)
SUPRALEITFÄHIGE VERBINDUNG DER ENDSTÜCKE ZWEIER SUPRALEITER SOWIE VERFAHREN ZUR HERSTELLUNG DIESER VERBINDUNG

Title (fr)
CONNEXION SUPRACONDUCTRICE DES ELEMENTS D'EXTREMITÉ DE DEUX SUPRACONDUCTEURS AINSI QUE LE PROCÉDE POUR FABRIQUER CETTE CONNEXION

Publication
EP 2013946 A1 20090114 (DE)

Application
EP 07727822 A 20070405

Priority
• EP 2007053354 W 20070405
• DE 102006020829 A 20060504

Abstract (en)
[origin: WO2007128635A1] The superconductive connection (10) serves to contact the end pieces (12, 22a) of two superconductors (12, 22), which each incorporate at least one conductor core (13, 23), made of superconductive material, embedded in a matrix made of normal-conductive material. In a connecting region the conductor cores (13, 23) of the end pieces (12a, 2a), from which the matrix material has been at least partially stripped, are arranged in a sleeve or bush (6), and additionally magnesium diboride (MgB₂) material is to be present as a superconductive, contacting material (7), which is located at least partially in regions between the conductor cores (13, 23). For manufacturing the connection (10), the cross-section of the sleeve or bush filled in this way (6) is to be reduced.

IPC 8 full level
H01R 4/68 (2006.01); **H01L 39/02** (2006.01)

CPC (source: EP US)
H01R 4/68 (2013.01 - EP US); **H10N 60/80** (2023.02 - EP US); **Y10T 29/49014** (2015.01 - EP US)

Citation (search report)
See references of WO 2007128635A1

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Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
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