

Title (en)

Feed through connection for superconducting coil

Title (de)

Verbindungsdurchführung für supraleitende Spule

Title (fr)

Liaison d'alimentation pour bobine supraconductrice

Publication

EP 0610131 B1 19970716 (FR)

Application

EP 94400211 A 19940201

Priority

FR 9301213 A 19930204

Abstract (en)

[origin: EP0610131A1] The subject of the present invention is a connection for the electrical feed to a transposed superconducting coil, the said coil being placed in a cryostat and comprising a plurality of superconducting conductors identical to each other, the accessible ends of which are uniformly distributed in cylindrical symmetry, the said connection consisting of two current intakes consisting of a plurality of conductors which are identical to each other comprising a first end and a second end, and being characterised in that the number of the said conductors is identical for the two inlets and equal to the number of the said superconducting conductors of the said coil, in that the said conductors of the said inlets are arranged regularly and parallel along the said cylindrical symmetry with respect to the axis of the said coil, in that the said inlets are arranged coaxially, and in that the said first end of the said conductors of the said inlets is linked to the said superconducting conductors. <IMAGE>

IPC 1-7

H01F 6/00; **H01F 6/06**

IPC 8 full level

H01F 6/06 (2006.01)

CPC (source: EP US)

H01F 6/06 (2013.01 - EP US); **H01F 6/065** (2013.01 - EP US); **Y10S 336/01** (2013.01 - EP US); **Y10S 505/879** (2013.01 - EP US)

Cited by

FR2725827A1; EP0723278A1; FR2729501A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IE IT LI LU NL SE

DOCDB simple family (publication)

EP 0610131 A1 19940810; **EP 0610131 B1 19970716**; AT E155607 T1 19970815; DE 69404178 D1 19970821; DE 69404178 T2 19971030; ES 2104293 T3 19971001; FR 2701157 A1 19940805; FR 2701157 B1 19950331; US 5436606 A 19950725

DOCDB simple family (application)

EP 94400211 A 19940201; AT 94400211 T 19940201; DE 69404178 T 19940201; ES 94400211 T 19940201; FR 9301213 A 19930204; US 19116694 A 19940203