

Title (en)

Current supply for high temperature superconducting devices

Title (de)

Stromzuführung für supraleitende Vorrichtungen

Title (fr)

Amenée de courant pour dispositifs supraconducteurs

Publication

EP 1408519 B1 20071205 (EN)

Application

EP 03292461 A 20031006

Priority

- EP 03292461 A 20031006
- EP 02292449 A 20021004

Abstract (en)

[origin: EP1408519A1] A multifilament coil has at least two spiral filaments consisting of a high temperature superconducting material or a material that becomes superconducting on a thermal treatment. The filaments are insulated by a material of low heat conductivity, which is filled in a gap of at least two millimeter between the filaments. The leads for supplying and receiving the current are combined into one component. Independent claims are also included for the following: (a) a current supply preparing process; (b) a multifilament coil; and (c) a multifilament coil utilization method.

IPC 8 full level

H01F 6/06 (2006.01); **H01F 41/04** (2006.01); **H01R 4/68** (2006.01)

CPC (source: EP)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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