

Title (en)
Superconducting magnet apparatus

Title (de)
Supraleitende Magnetvorrichtung

Title (fr)
Dispositif magnétique supraconducteur

Publication
EP 1587114 A3 20080227 (EN)

Application
EP 05252349 A 20050415

Priority
JP 2004121511 A 20040416

Abstract (en)
[origin: EP1587114A2] A superconducting magnet apparatus comprising a coil container for accommodating superconducting coils and liquefied cooling medium for cooling the coils down to the critical temperature or lower of a superconductor constituting the coils, a vacuum chamber for accommodating the coil container and for vacuum insulation from the atmosphere, and a conduit communicating the coil container at one end thereof and extending to the outside of the vacuum chamber at the other end. At least one heating device for heating the conduit is disposed at one or more positions of the conduit located within the vacuum chamber.

IPC 8 full level
G01R 33/3815 (2006.01); **H01F 6/00** (2006.01); **A61B 5/055** (2006.01); **F25D 21/08** (2006.01); **H01F 6/02** (2006.01); **H01F 6/04** (2006.01); **H01F 27/14** (2006.01); **H01F 27/40** (2006.01)

CPC (source: EP)
F25D 19/00 (2013.01); **H01F 6/02** (2013.01); **F25D 29/006** (2013.01); **H01F 6/04** (2013.01); **H01F 27/14** (2013.01); **H01F 2027/406** (2013.01)

Citation (search report)

- [X] US 5598710 A 19970204 - TOMEOKU HIROSHI [JP], et al
- [A] JP S5628364 A 19810319 - MITSUBISHI ELECTRIC CORP
- [E] GB 2421299 A 20060621 - GEN ELECTRIC [US]

Cited by
CN101923148A; DE102005058647B3; US9958519B2; US10490329B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
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EP 05252349 A 20050415; CN 200510064507 A 20050411; JP 2004121511 A 20040416