

Title (en)

SUPERCONDUCTOR TECHNOLOGY-RELATED DEVICE COMPRISING A SUPERCONDUCTING MAGNET AND A COOLING UNIT

Title (de)

EINRICHTUNG DER SUPRALEITUNGSTECHNIK MIT EINEM SUPRALEITENDEN MAGNETEN UND EINER KÄLTEEINHEIT

Title (fr)

DISPOSITIF DE SUPRACONDUCTIVITE COMPORTANT UN AIMANT SUPRACONDUCTEUR ET UNE UNITE DE REFROIDISSEMENT

Publication

EP 1504458 A1 20050209 (DE)

Application

EP 03752654 A 20030429

Priority

- DE 0301378 W 20030429
- DE 10221639 A 20020515

Abstract (en)

[origin: WO03098645A1] Disclosed is a device (2) comprising a superconducting magnet (3) that is provided with at least one cooling agent-free superconducting coil (4a, 4b), and a cooling unit that is provided with at least one cold head (6). A conduit system (10) thermally couples the coil (4a, 4b) to the cold head (6), said conduit system (10) comprising at least one duct (10a, 10b) in which a cooling agent (k1, k2) circulates according to a thermosyphon effect.

IPC 1-7

H01F 6/04; F02D 15/02; F25B 25/00; G01R 33/3815

IPC 8 full level

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CPC (source: EP US)

F25B 25/005 (2013.01 - EP US); **F28D 15/0266** (2013.01 - EP US); **H01F 6/04** (2013.01 - EP US); **F25B 23/006** (2013.01 - EP US)

Citation (search report)

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