

Title (en)

INSTALLATION FOR CRYOGENIC COOLING FOR SUPERCONDUCTOR DEVICE

Title (de)

INSTALLATION ZUM KRYOGENEN KÜHLEN FÜR SUPRALEITERVORRICHTUNG

Title (fr)

INSTALLATION DE REFROIDISSEMENT CRYOGENIQUE POUR DISPOSITIF SUPRACONDUCTEUR

Publication

EP 1842013 A1 20071010 (FR)

Application

EP 06709162 A 20060124

Priority

- FR 2006000163 W 20060124
- FR 0500861 A 20050127

Abstract (en)

[origin: FR2881216A1] The installation has a connection duct between bases of main and auxiliary reservoirs (1, 9). An outlet collector (7a) connected to the reservoir (1) has a restriction unit (11) such that, during overheating of a superconductor device (4), a cryogenic liquid in reservoir (1) flows back, by vaporized liquid pressure, towards the reservoir (9) from where liquid flows again by gravity towards the reservoir (1) when the pressure is reduced.

IPC 8 full level

F25B 19/00 (2006.01)

CPC (source: EP US)

F25B 19/005 (2013.01 - EP US); **F25D 3/10** (2013.01 - EP US); **F25B 2500/01** (2013.01 - EP US); **F25B 2700/04** (2013.01 - EP US); **H01F 6/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2006079711A1

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