

Title (en)
Supercooled horizontal cryostat assembly

Title (de)
Unterkühlte Horizontalkryostatanordnung

Title (fr)
Ensemble de cryostat horizontal en surfusion

Publication
EP 1742234 B1 20081015 (DE)

Application
EP 05014826 A 20050708

Priority
EP 05014826 A 20050708

Abstract (en)
[origin: EP1742234A1] Helium tank (1) of cryostat contains magnetic coil system (2) in undercooled liquid helium at 2K, and horizontal room temperature top side of cryostat carries vertical turret structure (4) for helium filling and vapour discharge. Helium container (5) at 4.2K is fitted in turret structure, separated by thermal barrier (7) from helium tank, which also contains undercooling unit (9).

IPC 8 full level
F17C 13/00 (2006.01); **H01F 6/04** (2006.01)

CPC (source: EP KR US)
F25B 9/00 (2013.01 - KR); **F25B 9/12** (2013.01 - KR); **F25B 21/00** (2013.01 - KR); **F25B 40/00** (2013.01 - KR); **H01F 6/04** (2013.01 - EP US)

Cited by
EP3611528A1; DE102014225481A1; EP2000735A1; US8448455B2; DE102018212758A1; US11187440B2

Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
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