

Title (en)
Cryostat arrangement

Title (de)
Kryostatanordnung

Title (fr)
Dispositif de cryostat

Publication
EP 1628109 A3 20090325 (DE)

Application
EP 05016143 A 20050726

Priority
DE 102004037172 A 20040730

Abstract (en)
[origin: EP1628109A2] A neck tube (5) in which multistage cryocooler head (6) is provided, has warm upper end connected to outer jacket (3) and cold lower end connected to helium container (1). A radiation shield (4) connected in heat conducting fashion to suspension tubes (2) and neck tube, surrounds helium container. A direct connector (8) arranged between warm end of neck tube and warm ends of suspension tubes, forms path for helium gas flow.

IPC 8 full level
F25D 19/00 (2006.01); **F25B 9/14** (2006.01)

CPC (source: EP US)
F25B 9/145 (2013.01 - EP US); **F25D 19/00** (2013.01 - EP US); **F25B 9/10** (2013.01 - EP US); **F25B 2309/1408** (2013.01 - EP US); **F25B 2400/17** (2013.01 - EP US); **F25D 19/006** (2013.01 - EP US)

Citation (search report)

- [E] EP 1574777 A2 20050914 - BRUKER BIOSPIN GMBH [DE]
- [A] EP 1327157 A1 20030716 - OXFORD INSTR SUPERCONDUCTIVITY [GB]
- [A] EP 0780698 A1 19970625 - SPECTROSPIN AG [CH]
- [A] EP 0501203 A1 19920902 - SPECTROSPIN AG [CH]
- [E] EP 1560035 A1 20050803 - OXFORD INSTR SUPERCONDUCTIVITY [GB]

Cited by
EP2584286A4; GB2490836A; CN102971594A; WO2011112987A3

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1628109 A2 20060222; EP 1628109 A3 20090325; EP 1628109 B1 20120613; DE 102004037172 A1 20060323;
DE 102004037172 B4 20060824; JP 2006046897 A 20060216; JP 3996935 B2 20071024; US 2006021355 A1 20060202

DOCDB simple family (application)
EP 05016143 A 20050726; DE 102004037172 A 20040730; JP 2005220786 A 20050729; US 18394105 A 20050719