

Title (en)
Cooling head for a cooling system

Title (de)
Kühlkopf für eine Kühlanlage

Title (fr)
Tête de refroidissement pour une installation de refroidissement

Publication
EP 2420772 A3 20141210 (DE)

Application
EP 11450090 A 20110712

Priority
AT 11782010 A 20100712

Abstract (en)
[origin: EP2420772A2] The cooling head has isolation units of connecting lines (13,14), which are formed from a vacuum isolation (17). A vacuum chamber (16) and the vacuum isolation are directly stood in connection with each other. The vacuum chamber and the vacuum isolation are connected with a common source of lower pressure. The connecting lines are made of the vacuum isolation at an end opposite to the cooling head. An independent claim is also included for a cooling device provided with a refrigerating unit.

IPC 8 full level
F25B 9/00 (2006.01); **F25B 9/02** (2006.01); **F25D 19/00** (2006.01)

CPC (source: EP)
F25B 9/006 (2013.01); **F25B 9/02** (2013.01); **F25D 19/00** (2013.01); **F25B 2400/12** (2013.01); **F25D 2201/14** (2013.01)

Citation (search report)

- [X] WO 9733671 A1 19970918 - APD CRYOGENICS INC [US]
- [X] WO 0201123 A1 20020103 - MMR TECHNOLOGIES INC [US]
- [X] US 5275595 A 19940104 - DOBAK III JOHN D [US]
- [A] US 2005086950 A1 20050428 - KHATRI AJAY [US]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
AT 12158 U1 20111115; EP 2420772 A2 20120222; EP 2420772 A3 20141210; EP 2420772 B1 20190508

DOCDB simple family (application)
AT 80142011 U 20110302; EP 11450090 A 20110712