

Title (en)

COOLING DEVICE OF THIN PLATE TYPE FOR PREVENTING DRY-OUT

Title (de)

DÜNNPLATTEN-KÜHLVORRICHTUNG ZUR VERHINDERUNG VON AUSTROCKNEN

Title (fr)

DISPOSITIF DE REFROIDISSEMENT DU TYPE PLAQUE MINCE POUR EMPECHER L'ASSECHEMENT

Publication

EP 1639301 A1 20060329 (EN)

Application

EP 03754299 A 20031028

Priority

- KR 0302281 W 20031028
- KR 20030035078 A 20030531

Abstract (en)

[origin: WO2004106822A1] The present invention provides a thin plate type cooling device including at least one cavity formed on an inside wall of coolant circulation loop in order to prevent dry-out of the coolant.

IPC 1-7

F25D 9/00

IPC 8 full level

F28D 15/02 (2006.01); **F28F 3/12** (2006.01); **H01L 23/427** (2006.01); **H01L 23/473** (2006.01)

CPC (source: EP KR US)

B82Y 30/00 (2013.01 - EP US); **F28D 15/02** (2013.01 - KR); **F28D 15/0233** (2013.01 - EP US); **F28D 15/0266** (2013.01 - EP US); **F28F 3/12** (2013.01 - EP US); **H01L 23/427** (2013.01 - EP US); **H01L 23/473** (2013.01 - EP US); **F25B 2339/021** (2013.01 - EP US); **F28F 2245/02** (2013.01 - EP US); **F28F 2245/04** (2013.01 - EP US); **F28F 2270/00** (2013.01 - EP US); **H01L 2924/0002** (2013.01 - EP US); **H01L 2924/3011** (2013.01 - EP US)

C-Set (source: EP US)

H01L 2924/0002 + H01L 2924/00

Citation (search report)

See references of WO 2004106822A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004106822 A1 20041209; AU 2003273115 A1 20050121; BR 0318323 A 20060718; CN 100447991 C 20081231; CN 1781007 A 20060531; EP 1639301 A1 20060329; JP 2006526128 A 20061116; KR 100505279 B1 20050729; KR 20040103151 A 20041208; RU 2005137166 A 20060610; US 2006157227 A1 20060720

DOCDB simple family (application)

KR 0302281 W 20031028; AU 2003273115 A 20031028; BR 0318323 A 20031028; CN 200380110328 A 20031028; EP 03754299 A 20031028; JP 2005500269 A 20031028; KR 20030035078 A 20030531; RU 2005137166 A 20031028; US 55904205 A 20051129