

Title (en)

Heat-conducting module and method for manufacturing the same

Title (de)

Wärmeleitendes Modul und Verfahren zu dessen Herstellung

Title (fr)

Module de conduction thermique et procédé de fabrication de celui-ci

Publication

**EP 2615398 A1 20130717 (EN)**

Application

**EP 12151028 A 20120113**

Priority

EP 12151028 A 20120113

Abstract (en)

The present invention relates to a heat-conducting module and a method for manufacturing the same. A hollow aluminum tube (110) is put on a corresponding heat pipe (111) to form an aluminum-skinned heat pipe (11). Then, one or more aluminum-skinned heat pipes (11) are disposed in a casting space (22) of a die casting mold (2). Molten aluminum materials are filled in the die casting space (11) of the die casting mold (2) to form a heat-conducting module (1). By using a die casting process, molten aluminum materials are used to cover at least one aluminum-skinned heat pipe (11), thereby finishing the heat-conducting module (1).

IPC 8 full level

**F28D 15/02** (2006.01)

CPC (source: EP)

**F28D 15/0275** (2013.01); **F28F 21/084** (2013.01); **F28F 2255/14** (2013.01)

Citation (search report)

- [A] US 2011005727 A1 20110113 - YU YE-FEI [CN], et al
- [A] US 2001047590 A1 20011206 - MCCULLOUGH KEVIN A [US]
- [A] EP 0188784 A1 19860730 - SUMITOMO ELECTRIC INDUSTRIES [JP]
- [A] DE 202007018111 U1 20080313 - COOLER MASTER CO LTD [TW]

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)

**EP 2615398 A1 20130717**

DOCDB simple family (application)

**EP 12151028 A 20120113**