

Title (en)
A HEAT TRANSFER STRUCTURE

Title (de)
WÄRMETRANSFERSTRUKTUR

Title (fr)
STRUCTURE DE TRANSFERT DE CHALEUR

Publication
EP 3301391 B1 20200923 (EN)

Application
EP 16306250 A 20160928

Priority
EP 16306250 A 20160928

Abstract (en)
[origin: EP3301391A1] A heat transfer structure comprising a plurality of heat pipes, and a cooling chamber. Respective evaporator sections of each one of the heat pipes are configured to be thermally coupled to a respective heat source. Each heat pipe is configured to transfer heat from the respective evaporator section, to the cooling chamber, through its respective condenser section. A fluid is made to move into the cooling chamber through a fluid conduit which is then moved out of the cooling chamber to thereby transfer heat from the cooling chamber to a surrounding medium. In some embodiments, the heat transfer structure has a fluid mover to force the fluid cooling chamber move in and out of the cooling chamber. In some embodiments, the fluid mover is located inside the cooling chamber.

IPC 8 full level
F28D 15/02 (2006.01); **F28D 15/04** (2006.01)

CPC (source: EP)
F28D 15/02 (2013.01); **F28D 15/0275** (2013.01); **F28D 15/04** (2013.01)

Cited by
US11996204B1

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

DOCDB simple family (publication)
EP 3301391 A1 20180404; EP 3301391 B1 20200923

DOCDB simple family (application)
EP 16306250 A 20160928