

Title (en)

HEAT CONDUCTING PLATE AND METHOD FOR PRODUCING PLATE BODY THEREOF

Title (de)

WÄRMELEITENDE PLATTE UND VERFAHREN ZUR HERSTELLUNG DES PLATTENKÖRPERS DAFÜR

Title (fr)

PLAQUE CONDUCTRICE DE CHALEUR ET PROCÉDÉ DE PRODUCTION DE CORPS DE PLAQUE CORRESPONDANT

Publication

EP 3444551 A4 20191127 (EN)

Application

EP 16898354 A 20160617

Priority

- CN 201610230643 A 20160414
- CN 2016086179 W 20160617

Abstract (en)

[origin: US2018209747A1] A heat conducting plate and a method for producing a plate body thereof. The heat conducting plate comprises an integrally formed plate body. The plate body comprises a front surface, and several capillary tube cavities formed in the plate body and allowing flow of a heat exchange medium. Each capillary tube cavity extends along a first direction parallel to the front surface, and a micro-tooth structure is provided on the inner wall of each capillary tube cavity. The heat exchange medium may flow in the capillary tube cavities along the first direction. By means of the plate body and the capillary tube cavities, the temperature homogenizing effect and heat exchange efficiency of the heat conducting plate are significantly improved; by providing the micro-tooth structure, the heat exchange medium may form a capillary phenomenon, thereby improving the heat exchange efficiency.

IPC 8 full level

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Citation (search report)

- [XYI] WO 2015012535 A1 20150129 - TTM [KR]
- [Y] DE 102011109566 A1 20130207 - ASIA VITAL COMPONENTS CO LTD [TW]
- See references of WO 2017177539A1

Designated contracting state (EPC)

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