

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

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Application

EP 16898354 A 20160617

Priority

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- CN 2016086179 W 20160617

Abstract (en)

A heat conducting plate and a method for producing a plate body thereof. The heat conducting plate comprises an integrally formed plate body (100). The plate body (100) comprises a front surface (11), and several capillary tube cavities (20) formed in the plate body (100) and allowing flow of a heat exchange medium. Each capillary tube cavity (20) extends along a first direction parallel to the front surface (11), and a micro-tooth structure (21) is provided on the inner wall of each capillary tube cavity. The heat exchange medium may flow in the capillary tube cavities (20) along the first direction. By means of the integrally formed plate body (100) and the capillary tube cavities (20) provided in the plate body (100), the temperature homogenizing effect and heat exchange efficiency of the heat conducting plate are significantly improved; by providing the micro-tooth structure (21), the heat exchange medium may form a capillary phenomenon along the micro-tooth structure (21), thereby further improving the heat exchange efficiency; by means of the integrally formed plate body (100), a simple processing technology is achieved and reduced production costs can be ensured.

IPC 8 full level

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