

Title (en)

PLATE FOR USE AS HEAT EXCHANGE PLATE AND METHOD FOR MANUFACTURING SUCH A PLATE

Title (de)

PLATTE ZUR VERWENDUNG ALS WÄRMETAUSCHERPLATTE UND VERFAHREN ZUR HERSTELLUNG SOLCH EINER PLATTE

Title (fr)

PLAQUE POUR L'UTILISATION EN TANT QUE PLAQUE D'ÉCHANGE DE CHALEUR ET PROCÉDÉ DE FABRICATION DE LADITE PLAQUE

Publication

**EP 3104109 B1 20210106 (EN)**

Application

**EP 15755314 A 20150219**

Priority

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- JP 2015054563 W 20150219

Abstract (en)

[origin: EP3104109A1] The object of the invention is to provide: a plate for a heat-exchanging plate that allows a liquid film generated during the operation of a heat exchanger to be efficiently discharged, allows irregularities to be formed such that the thickness of the liquid film is reduced, and allows enhancing heat-transfer performance without collapse of the irregularities; and a method for producing the plate. A plate (1) for a heat-exchanging plate is constituted by a metallic flat plate having fine irregularities formed on a surface thereof, and is obtained through press working, which is implemented as a post-process, of the flat plate. The irregularities include a plurality of projections (2) formed at a predetermined spacing. The plurality of projections (2) include first ridges (2a) disposed at an angle +, with respect to the width direction of the plate (1), and second ridges (2b) disposed at an angle -, with respect to the width direction of the plate (1). The projections (2) are formed into V-shapes by the first ridges (2a) and the second ridges (2b).

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Citation (examination)

- US 2007225532 A1 20070927 - TONKOVICH ANNA L [US], et al
- US 2011174473 A1 20110721 - SMITH RICHARD S [US], et al

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