

Title (en)

HEAT EXCHANGER AND METHOD FOR PRODUCTION THEREOF AND USE THEREOF

Title (de)

WÄRMEÜBERTRAGER UND VERFAHREN ZU DESSEN HERSTELLUNG UND VERWENDUNG

Title (fr)

ÉCHANGEUR DE CHALEUR ET PROCÉDÉ POUR SA FABRICATION ET UTILISATION DUDIT ÉCHANGEUR DE CHALEUR

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Application

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Abstract (en)

[origin: WO2015011072A1] The invention relates to a heat exchanger (1) with a base body (10) in which at least a first partial face (101) is provided with a surface modification (20) which has, in at least one spatial direction, a multiplicity of elevated portions which have a height from approximately 5 µm to approximately 50 µm and are at a distance of approximately 2 µm to approximately 10 µm from one another. The invention also relates to a heat exchanger with a base body (10) which contains a metal or an alloy, and in which at least a first partial face (101) for electromagnetic radiation with a wavelength of approximately 500 nm to approximately 2000 nm has emissions of more than 85% or more than 90% or more than 95%. The invention further relates to a method for producing and using such heat exchangers.

IPC 8 full level

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