

Title (en)

Heat exchanger of three-dimensional textile structure, use of same and method for producing same

Title (de)

Wärmeübertrager aus einer dreidimensionalen textilen Struktur, Verfahren zu dessen Herstellung und dessen Verwendung

Title (fr)

échangeur de chaleur d'une structure textile tridimensionnelle, son procédé de fabrication et son utilisation

Publication

EP 2418450 B1 20150617 (DE)

Application

EP 11006619 A 20110811

Priority

DE 102010034019 A 20100811

Abstract (en)

[origin: EP2418450A2] The method involves synchronously producing a three-dimensional textile structure with two structural regions (2) that are different from each other using a textile manufacturing technique, where the regions differ in thickness of technical fibers or wires and/or porosity. One structural region is closed in sections under formation of channels opposite to the other structural region. The latter structural region is modified by coating and/or thermal and/or chemical activation of the wires or fibers for enlarging a specific surface in the entire regions. An independent claim is also included for a heat exchanger including a three-dimensional textile structure.

IPC 8 full level

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CPC (source: EP)

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Cited by

DE102017217569A1; EP2817389A4; WO2014055045A1; WO2018091364A1

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DOCDB simple family (publication)

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