

Title (en)

Heat exchanger for gaseous media

Title (de)

Wärmetauscher für gasförmige Medien

Title (fr)

Echangeur thermique pour fluides caloporteurs gazeux

Publication

EP 1992898 B1 20130327 (DE)

Application

EP 08008665 A 20080508

Priority

DE 202007007169 U 20070516

Abstract (en)

[origin: CN101307995A] A heat exchanger used for the gaseous medium comprise a plurality of first flowing channels forming ad a stack and being distributed in upper and lower lamination forming a plurality of second flowing channels transversely extending along the first flowing channels; the first flowing channels are limited by the wall composed by the film material; the wall uses the lateral bars laterally distributed to connect the molding portion with a plurality of wave shapes and the internal and external interval pieces on the wall; the interval pieces maintain the distance of the first flowing channel. The molding portion is provided with a plurality of projections according to the invention; and the wall has the connecting bars transversely distributed on the front side and the back side; the connecting bars of the wall of the first flowing channel on the upper side or lower side in the stack are mutually connected tightly under the situation of forming the plurality of related first and second flowing channels. The interval piece is comprised of the gracile punching; the interval pieces of interior and the exterior are provided vertically.

IPC 8 full level

F28D 9/00 (2006.01); **F28F 3/04** (2006.01)

CPC (source: EP KR)

F28D 9/0037 (2013.01 - EP); **F28F 3/00** (2013.01 - KR); **F28F 3/02** (2013.01 - KR); **F28F 3/042** (2013.01 - EP); **F28F 2240/00** (2013.01 - EP)

Cited by

US2016223262A1; US10386135B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 202007007169 U1 20080925; CN 101307995 A 20081119; CN 101307995 B 20110921; EP 1992898 A2 20081119; EP 1992898 A3 20100804; EP 1992898 B1 20130327; KR 20080101692 A 20081121

DOCDB simple family (application)

DE 202007007169 U 20070516; CN 200810099290 A 20080516; EP 08008665 A 20080508; KR 20080043811 A 20080513