

Title (en)

Heat exchanger assembly with fin locating structure

Title (de)

Wärmetauscheranordnung mit Lamellenfixierstruktur

Title (fr)

Ensemble formant échangeur thermique doté d'une structure de localisation de l'ailette

Publication

EP 2485005 A2 20120808 (EN)

Application

EP 11175949 A 20110729

Priority

US 201113019576 A 20110202

Abstract (en)

A heat exchanger (10) includes a core (16) with layers (18A,B) and a closure bar (14A,B). The layers are arranged in a stack and include a first layer (18A) that is separated from abutting layers (18B) by a first parting sheet (24A) and a second parting sheet (24B). Fins (20A,B) are disposed between the first and second parting sheets and form one or more tabs (26A,B,C). The closure bar interfaces with the fins and receives the one or more tabs in one or more slots (28A,B,C).

IPC 8 full level

F28D 9/00 (2006.01); **F28F 3/02** (2006.01)

CPC (source: EP US)

F28D 9/0062 (2013.01 - EP US); **F28F 3/025** (2013.01 - EP US); **Y10T 29/4935** (2015.01 - EP US)

Cited by

CN110411239A; EP2840345A3; EP3767220A1; US10112270B2; US11221186B2

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Designated extension state (EPC)

BA ME

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EP 2485005 A2 20120808; **EP 2485005 A3 20140409**; JP 2012159282 A 20120823; US 2012193083 A1 20120802

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