

Title (en)
Method of assembly of a heat Exchanger

Title (de)
Montageverfahren für Wärmetauscher

Title (fr)
Procédé d'assemblage pour échangeur thermique

Publication
EP 2434245 A1 20120328 (EN)

Application
EP 10181160 A 20100928

Priority
EP 10181160 A 20100928

Abstract (en)
Method of assembling a tank (14) and a header plate (16) of a heat exchanger (10) comprising the steps of providing a tank (14) with an outer peripheral foot portion (32) and a header plate (16) having edges with a plurality of tabs (50) extending towards the tank (14), providing each transverse wall (24) of the tank (14) with at least one positioning extension (60) and providing each transverse edge (56) of the header plate (16) with a pair of positioning tabs (64, 66) for complementary engagement them with a corresponding tank's extension (60), pressing the header plate (16) onto the tank (14) such that they are interlocked in a transverse direction (T) by positioning the extensions (60) in-between said positioning tabs, and clinching the tabs (50) inwardly over the foot portion (32) of the tank opening (30).

IPC 8 full level
F28F 9/02 (2006.01)

CPC (source: EP)
F28F 9/0226 (2013.01); **F28D 1/05366** (2013.01); **F28F 2275/122** (2013.01); **F28F 2280/04** (2013.01)

Citation (applicant)
US 6082446 A 20000704 - AHAUS FREDRIC A [US], et al

Citation (search report)
• [X] EP 1921413 A1 20080514 - JOAO DE DEUS & FILHOS S A [PT]
• [X] DE 20307881 U1 20040923 - AUTOKUEHLER GMBH & CO KG [DE]
• [A] US 2002023734 A1 20020228 - WAGNER WILLIAM W [US]

Cited by
JP2012088011A; CN105806139A; FR3082927A1; JPWO2017026210A1; DE102013227113A1; JP2019168200A; US10436526B2; WO2019175433A1; WO2017026210A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2434245 A1 20120328; EP 2434245 B1 20130529

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