

Title (en)
STACKED HEADER, HEAT EXCHANGER, AND AIR CONDITIONER

Title (de)
SCHICHTKOPFTEIL, WÄRMETAUSCHER UND KLIMAAANLAGE

Title (fr)
COLLECTEUR EMPILÉ, ÉCHANGEUR DE CHALEUR ET CLIMATISEUR

Publication
EP 3088831 A1 20161102 (EN)

Application
EP 13900071 A 20131227

Priority
JP 2013085150 W 20131227

Abstract (en)
A stacking-type header according to the present invention includes a first plate-shaped member (21) including flow passages (21 E_1, 21E_2), a cladding member (26_2) including flow passages (26E_1, 26E_2), and a third plate-shaped member (23). The third plate-shaped member (23) includes flow passages (23E) each being configured to communicate the flow passage corresponding to a tube on one side out of two tubes among the plurality of tubes and the flow passage corresponding to a tube on an other side out of the two tubes among the plurality of tubes. A flow passage area of each of the flow passages (26E_1, 26E_2) of the cladding member (26_2) is smaller than a flow passage area of a corresponding one of the flow passages (21 E_1, 21E_2).

IPC 8 full level
F28F 9/02 (2006.01); **F25B 41/00** (2006.01); **F28D 1/047** (2006.01)

CPC (source: EP)
F28D 1/0476 (2013.01); **F28F 1/022** (2013.01); **F28F 1/24** (2013.01); **F28F 9/0221** (2013.01); **F28F 9/0278** (2013.01); **F28F 2275/04** (2013.01)

Cited by
EP4012296A4; CN114127488A; EP4235058A4; US10794636B2

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3088831 A1 20161102; **EP 3088831 A4 20170913**; **EP 3088831 B1 20220216**; JP 6080982 B2 20170215; JP WO2015097876 A1 20170323; WO 2015097876 A1 20150702

DOCDB simple family (application)
EP 13900071 A 20131227; JP 2013085150 W 20131227; JP 2015554455 A 20131227