

Title (en)

MULTI-STAGE FLOW DISTRIBUTION PLATE GROUP FOR HEAT EXCHANGER

Title (de)

MEHRSTUFIGE STRÖMUNGSVERTEILUNGSPLETTENGRUPPE FÜR WÄRMETAUSCHER

Title (fr)

GROUPE DE PLAQUES DE DISTRIBUTION D'ÉCOULEMENT À PLUSIEURS ÉTAGES POUR ÉCHANGEUR DE CHALEUR

Publication

EP 3832243 A1 20210609 (EN)

Application

EP 20020579 A 20201201

Priority

CN 201911242835 A 20191206

Abstract (en)

Multi-stage flow distribution plate group for heat exchanger, comprising at least two pairs of unit plate groups, wherein each pair of the said unit plate group includes a first plate (1) and a second plate (2) that are stacked, wherein both the said first plate (1) and the second plate (2) include a main panel and a surrounding baffle (3). The main panel includes a shunt area (41), a main heat exchanging area (42) and the confluence area (43). Shunt ribs (44) are set between the said shunt area (41) and the main heat exchanging area (42) as well as between the main heat exchanging area (42) and the confluence area (43), which are used to evenly distribute the medium flowing from the shunt area (41) into the main heat exchanging area (42) and the medium flowing from the main heat exchanging area (42) into the confluence area (43).

IPC 8 full level

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

CPC (source: CN EP)

F28D 9/0037 (2013.01 - EP); **F28D 9/005** (2013.01 - EP); **F28D 9/0056** (2013.01 - CN); **F28F 3/042** (2013.01 - EP); **F28F 3/044** (2013.01 - EP); **F28F 3/046** (2013.01 - EP); **F28F 3/048** (2013.01 - CN EP); **F28F 3/083** (2013.01 - CN)

Citation (search report)

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- [Y] EP 3351886 A1 20180725 - AIREC AB [SE]
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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)

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