

Title (en)  
DISTRIBUTOR FOR PLATE-FIN HEAT EXCHANGER

Title (de)  
VERTEILER FÜR LAMELLEN-WÄRMETAUSCHER

Title (fr)  
DISTRIBUTEUR POUR ÉCHANGEUR DE CHALEUR À AILETTES

Publication  
**EP 3517878 B1 20201104 (EN)**

Application  
**EP 18153523 A 20180125**

Priority  
EP 18153523 A 20180125

Abstract (en)  
[origin: EP3517878A1] Plate-fin heat exchanger with mitered distributor design for improved fluid flow distribution through the plate-fin heat exchanger resulting in improved heat exchanger efficiency. Sections of the distributor have different fin types that provide improved distribution of the fluid through the heat exchanger. The fin types for the different sections of the distributor are selected based on a friction factor parameter ratio and a j-factor parameter ratio for the different fin types.

IPC 8 full level  
**F28F 3/02** (2006.01); **F25J 1/00** (2006.01); **F28D 9/00** (2006.01); **F28F 9/02** (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP)  
**F25J 5/002** (2013.01); **F28D 9/0062** (2013.01); **F28F 3/025** (2013.01); **F28F 9/0265** (2013.01); **F28F 9/0268** (2013.01); **F28F 9/028** (2013.01); **F25J 2290/32** (2013.01); **F28D 2021/0022** (2013.01); **F28D 2021/0033** (2013.01); **F28F 2215/04** (2013.01)

Cited by  
CN116680838A; CN117723327A; WO2024017504A1

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

DOCDB simple family (publication)  
**EP 3517878 A1 20190731**; **EP 3517878 B1 20201104**; ES 2837323 T3 20210630; PL 3517878 T3 20210504

DOCDB simple family (application)  
**EP 18153523 A 20180125**; ES 18153523 T 20180125; PL 18153523 T 20180125