

Title (en)  
IMPROVED FLUID DISTRIBUTOR

Title (de)  
VERBESSERTER FLUIDVERTEILER

Title (fr)  
DISTRIBUTEUR DE FLUIDE AMÉLIORÉ

Publication  
**EP 3438596 B1 20200408 (EN)**

Application  
**EP 17184287 A 20170801**

Priority  
EP 17184287 A 20170801

Abstract (en)  
[origin: EP3438596A1] A fluid distributor assembly, in particular for a refrigerant fluid, for use in a heat exchanger comprising: - a head unit coupled to a tube plate and comprising an inlet configured to receive the fluid fed into the exchanger; - a plate-shaped lamination unit comprising one or more openings to allow the inlet fluid to pass therethrough, wherein the head unit is provided with a seat adapted to receive said lamination unit in such a way that the fluid sequentially crosses a first collecting chamber and a second mixing chamber, and wherein direction means provided with an impact surface is configured so as to direct the fluid outflowing from the lamination unit along a substantially orthogonal direction with respect to a fluid inlet direction into apertures of the tube plate.

IPC 8 full level  
**F28F 9/02** (2006.01); **F25B 39/02** (2006.01)

CPC (source: EP US)  
**F25B 39/028** (2013.01 - EP); **F28F 9/026** (2013.01 - EP US); **F25B 2500/18** (2013.01 - EP)

Cited by  
WO2021228017A1

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