

Title (en)

PLATE UNIT, GAS-TO-GAS MATTER EXCHANGER, AND BUILDING VENTILATION SYSTEM

Title (de)

PLATTENEINHEIT, GAS-GAS-STOFFTAUSCHER UND GEBÄUDELÜFTUNGSANLAGE

Title (fr)

ENSEMBLE DE PLAQUES, ÉCHANGEUR DE MATIÈRES GAZ-GAZ ET INSTALLATION DE VENTILATION DE BÂTIMENT

Publication

**EP 2932181 A1 20151021 (DE)**

Application

**EP 13815373 A 20131205**

Priority

- DE 102012024549 A 20121217
- EP 2013003672 W 20131205

Abstract (en)

[origin: WO2014094986A1] The invention relates to a plate unit (10) for a gas-to-gas matter exchanger, at least comprising at least one plate (11) having at least one channel structure (12), which forms at least one channel (13) for a fluid, wherein the at least one plate (11) is made of a plastic, and at least one selectively matter-permeable membrane (16), which is stretched out on the at least one plate (11). The invention further relates to a gas-to-gas matter exchanger, at least comprising a matter exchanger package (20) comprising a plurality of matter exchanger plate units, which are arranged in parallel and through the channels (13) of which a first fluid and a second fluid flow in alternation, wherein the matter exchanger plate units are designed as plate units (10) according to the invention, and a building ventilation system designed as a gas-to-gas matter exchanger according to the invention.

IPC 8 full level

**F28F 21/06** (2006.01); **F24F 3/147** (2006.01); **F28D 9/00** (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP)

**F24F 3/147** (2013.01); **F28D 9/0037** (2013.01); **F28D 21/0015** (2013.01); **F28F 3/025** (2013.01); **F28F 13/12** (2013.01); **F28F 21/065** (2013.01); **F24F 2003/1435** (2013.01); **F28F 2225/04** (2013.01)

Citation (search report)

See references of WO 2014094986A1

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)

**DE 102012024549 A1 20140618**; **DE 102012024549 B4 20180201**; CN 104870928 A 20150826; EP 2932181 A1 20151021; EP 2932181 B1 20180314; WO 2014094986 A1 20140626

DOCDB simple family (application)

**DE 102012024549 A 20121217**; CN 201380066028 A 20131205; EP 13815373 A 20131205; EP 2013003672 W 20131205