

Title (en)  
EXHAUST GAS EVAPORATOR

Title (de)  
ABGASVERDAMPFER

Title (fr)  
ÉVAPORATEUR À GAZ D'ÉCHAPPEMENT

Publication  
**EP 2494297 A2 20120905 (DE)**

Application  
**EP 10770804 A 20101021**

Priority  
• DE 102009050889 A 20091027  
• EP 2010065899 W 20101021

Abstract (en)  
[origin: WO2011051163A2] The invention relates to an evaporator, in particular an exhaust gas evaporator (5) for an exhaust gas system (3) of a motor vehicle (1), having a plate sandwich structure having a plurality of fluid-guiding plate elements (15) stacked on top of one another for guiding a first fluid, wherein at least one rib (18), in particular a corrugated rib, is disposed between two plate elements for guiding a second fluid, wherein a plate element comprises at least one cover element (11) covering a flow channel and a flow channel plate unit (12), wherein the flow channel plate unit comprises at least one flow channel plate (12a, 12b) having flow channels (17) in order to guide the first fluid from an inlet (13) to an outlet (14).

IPC 8 full level  
**F28D 1/03** (2006.01); **F28F 3/02** (2006.01); **F28F 3/08** (2006.01)

CPC (source: EP US)  
**F28D 1/0333** (2013.01 - EP US); **F28F 3/025** (2013.01 - EP US); **F28F 3/08** (2013.01 - US); **F28F 3/086** (2013.01 - EP US);  
**F28D 21/0003** (2013.01 - EP US); **F28D 2021/0085** (2013.01 - EP US)

Citation (examination)  
• WO 2007009713 A1 20070125 - BEHR GMBH & CO KG [DE], et al  
• US 3229764 A 19660118 - WARE CHESTER D

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)  
**DE 102009050889 A1 20110428**; CN 102639952 A 20120815; CN 102639952 B 20141105; EP 2494297 A2 20120905;  
US 2013112382 A1 20130509; WO 2011051163 A2 20110505; WO 2011051163 A3 20110707

DOCDB simple family (application)  
**DE 102009050889 A 20091027**; CN 201080048294 A 20101021; EP 10770804 A 20101021; EP 2010065899 W 20101021;  
US 201213457974 A 20120427