

Title (en)  
PLATE HEAT EXCHANGER SYSTEM

Title (de)  
PLATTENWÄRMETAUSCHERSYSTEM

Title (fr)  
SYSTEME D'ECHANGEUR THERMIQUE A PLAQUES

Publication  
**EP 3098553 B1 20170913 (DE)**

Application  
**EP 16170441 A 20160519**

Priority  
DE 202015003756 U 20150522

Abstract (en)  
[origin: CA2930609A1] The present invention relates to a plate heat exchanger system with a plate heat exchanger (10) comprising an inlet (11) and an outlet (12) of a primary circuit (13), an inlet (14) and an outlet (15) of a secondary circuit (16), at least one plate (17) separating the two circuits in a housing of the plate heat exchanger from each other, and preferably a pipe which connects the primary circuit to a heating device. For improving heat transfer between the primary circuit (13) and the secondary circuit (16), the plate heat exchanger (10) is according to the invention in the direction of gravity (G) arranged such that the plane (E), in which the plate (17) is located, is inclined relative to the gravity vector (G) and the horizontal (H).

IPC 8 full level  
**F24D 19/00** (2006.01); **F28D 9/00** (2006.01); **F28F 19/00** (2006.01)

CPC (source: EP US)  
**F24D 19/0092** (2013.01 - EP US); **F28D 9/00** (2013.01 - EP US); **F28D 9/0093** (2013.01 - US); **F28F 19/00** (2013.01 - EP US); **F28F 2280/00** (2013.01 - EP US)

Cited by  
US10890338B2; DE202016106313U1; EP3321594A1; DE202017101345U1; EP3372735A1

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 202015003756 U1 20160823**; CA 2930609 A1 20161122; CA 2930609 C 20180220; DK 3098553 T3 20171211; EP 3098553 A1 20161130; EP 3098553 B1 20170913; NO 2751710 T3 20171230; US 11098956 B2 20210824; US 2016341485 A1 20161124

DOCDB simple family (application)  
**DE 202015003756 U 20150522**; CA 2930609 A 20160519; DK 16170441 T 20160519; EP 16170441 A 20160519; NO 12827196 A 20120626; US 201615161093 A 20160520