

Title (en)
FLUID CIRCULATION DEVICE

Title (de)
FLUIDZIRKULATIONSVORRICHTUNG

Title (fr)
DISPOSITIF DE CIRCULATION DE FLUIDES

Publication
EP 3336475 B1 20200805 (EN)

Application
EP 17204391 A 20171129

Priority
JP 2016242141 A 20161214

Abstract (en)
[origin: EP3336475A1] Provided is a fluid circulation device capable of preventing that efficiency of a treatment by a fluid circulation is significantly lowered, even in a case where a blockage has occurred in a micro-channel, to prevent lowering of an operating rate. The fluid circulation device 1 is provided with a structure body 2 comprising: a plural number of second flow passages 22 extended in a direction, and at the same time, arranged so as to be lined up in a direction intersecting the direction, each for circulating a second fluid; and introduction part-communicating parts 75, first to third communicating parts 78, 79 and 80 for linking second flow passages 22 adjacent to each other in the arrangement direction of the plural number of second flow passages 22 to allow communicating with each other; formed therein.

IPC 8 full level
F28F 3/04 (2006.01); **B01F 13/00** (2006.01); **F28D 9/00** (2006.01)

CPC (source: CN EP KR US)
B01F 25/4331 (2022.01 - EP US); **B01F 33/30** (2022.01 - EP US); **F28D 7/082** (2013.01 - US); **F28D 7/1684** (2013.01 - US); **F28D 9/00** (2013.01 - EP US); **F28D 9/0056** (2013.01 - KR); **F28D 9/02** (2013.01 - CN); **F28F 3/048** (2013.01 - EP US); **F28F 3/12** (2013.01 - KR); **F28F 9/22** (2013.01 - KR); **F28F 13/06** (2013.01 - KR); **F28F 19/00** (2013.01 - US); **F28F 2250/102** (2013.01 - EP US); **F28F 2260/02** (2013.01 - EP KR US)

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 3336475 A1 20180620; **EP 3336475 B1 20200805**; CN 108225065 A 20180629; CN 108225065 B 20200821; JP 2018096624 A 20180621; JP 6718806 B2 20200708; KR 20180068866 A 20180622; US 2018164051 A1 20180614

DOCDB simple family (application)
EP 17204391 A 20171129; CN 201711337783 A 20171214; JP 2016242141 A 20161214; KR 20170168959 A 20171211; US 201715839908 A 20171213