

Title (en)

MEDIA MANAGEMENT PLATE COMPRISING WATER TRAP AND WATER RESERVOIR, AND FUEL CELL SYSTEM

Title (de)

MEDIENMANAGEMENTPLATTE MIT WASSERABSCHIEDER UND WASSERRESERVOIR, SOWIE BRENNSTOFFZELLENSYSTEM

Title (fr)

PLAQUE DE GESTION DE MILIEU À SÉPARATEUR D'EAU ET RÉSERVOIR D'EAU, AINSI QUE SYSTÈME DE PILES À COMBUSTIBLE

Publication

EP 3607600 A1 20200212 (DE)

Application

EP 18726325 A 20180327

Priority

- DE 102017107479 A 20170407
- EP 2018057759 W 20180327

Abstract (en)

[origin: WO2018184912A1] The invention relates to a media management plate (1) for a fuel cell assembly (5), a fuel cell system (10) which comprises the media management plate and a fuel cell assembly, and a method for operating a fuel cell system (10) comprising a fuel cell assembly (5) and the media management plate (1). All lines for feeding and discharging the fuel cell media, and devices necessary for treating the fuel cell media, for example a water trap (30) and a water reservoir (31), are integrated in the media management plate (1). The media management plate (1) can be heated by means of coolant via coolant branch lines (44) and is functional both when oriented vertically and horizontally.

IPC 8 full level

H01M 8/02 (2016.01); **H01M 8/04007** (2016.01); **H01M 8/04029** (2016.01); **H01M 8/04089** (2016.01); **H01M 8/04119** (2016.01); **H01M 8/04223** (2016.01); **H01M 8/2484** (2016.01)

CPC (source: EP KR US)

H01M 8/02 (2013.01 - EP); **H01M 8/0258** (2013.01 - US); **H01M 8/04029** (2013.01 - EP KR); **H01M 8/04074** (2013.01 - EP KR); **H01M 8/04089** (2013.01 - EP KR); **H01M 8/04164** (2013.01 - EP KR); **H01M 8/04201** (2013.01 - EP KR); **H01M 8/04253** (2013.01 - EP KR); **H01M 8/04291** (2013.01 - EP KR); **H01M 8/04302** (2016.02 - EP KR); **H01M 8/04358** (2013.01 - US); **H01M 8/04514** (2013.01 - US); **H01M 8/04723** (2013.01 - US); **H01M 8/04843** (2013.01 - US); **H01M 8/2484** (2016.02 - EP KR); **H01M 8/04097** (2013.01 - EP); **H01M 8/04225** (2016.02 - EP); **H01M 8/04328** (2013.01 - EP); **H01M 8/04335** (2013.01 - EP); **H01M 8/04343** (2013.01 - EP); **H01M 8/0435** (2013.01 - EP); **H01M 8/04388** (2013.01 - EP); **H01M 8/04395** (2013.01 - EP); **H01M 8/04402** (2013.01 - EP); **H01M 8/0441** (2013.01 - EP); **H01M 8/04492** (2013.01 - EP KR); **H01M 8/04708** (2013.01 - EP); **H01M 8/04716** (2013.01 - EP); **H01M 8/04753** (2013.01 - EP); **H01M 8/04761** (2013.01 - EP); **H01M 8/04828** (2013.01 - EP KR); **Y02E 60/50** (2013.01 - EP)

Citation (search report)

See references of WO 2018184912A1

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)

WO 2018184912 A1 20181011; CA 3055676 A1 20181011; CN 110537281 A 20191203; CN 110537281 B 20220927; DE 102017107479 A1 20181011; EP 3607600 A1 20200212; JP 2020513135 A 20200430; JP 7196092 B2 20221226; KR 102393673 B1 20220503; KR 20190132392 A 20191127; US 11637295 B2 20230425; US 2021091390 A1 20210325

DOCDB simple family (application)

EP 2018057759 W 20180327; CA 3055676 A 20180327; CN 201880023780 A 20180327; DE 102017107479 A 20170407; EP 18726325 A 20180327; JP 2019553206 A 20180327; KR 20197028135 A 20180327; US 201816603575 A 20180327