

Title (en)

FUEL CELL ARRAY AND METHOD FOR OPERATING THE FUEL CELL ARRAY

Title (de)

BRENNSTOFFZELLENANORDNUNG UND VERFAHREN ZUM BETRIEB DER BRENNSTOFFZELLENANORDNUNG

Title (fr)

SYSTÈME À PILE À COMBUSTIBLE ET PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER LE SYSTÈME À PILE À COMBUSTIBLE

Publication

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Application

EP 13788997 A 20131108

Priority

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- EP 2013073407 W 20131108

Abstract (en)

[origin: WO2014086550A1] The invention relates to a fuel cell array, in particular for a motor vehicle, comprising a tank for receiving a carrier fluid mixed with hydrogen, a separating device for separating hydrogen from the carrier fluid, a fuel cell for generating electrical energy from the hydrogen, and a heating arrangement for heating the carrier fluid mixed with hydrogen. The heating arrangement comprises a first heat exchanger for heating the carrier fluid by means of a carrier fluid return line, and/or a second heat exchanger for heating the carrier fluid by means of the waste heat of the fuel cell, and/or a third heat exchanger for heating the carrier fluid by means of a compressed intake air.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2014086550A1

Citation (examination)

WILLIAM L. LUYBEN: "Heat-Exchanger Bypass Control", INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH., vol. 50, no. 2, 16 December 2010 (2010-12-16), US, pages 965 - 973, XP055331013, ISSN: 0888-5885, DOI: 10.1021/ie1020574

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DOCDB simple family (application)

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