

Title (en)

CHROMIUM-RESISTANT FUEL CELL SYSTEM AND METHOD FOR OPERATING SAME

Title (de)

CHROMRESISTENTES BRENNSTOFFZELLENSYSTEM UND VERFAHREN ZUM BETRIEB DESSELBEN

Title (fr)

SYSTÈME DE PILES À COMBUSTIBLE RÉSISTANT AU CHROME ET PROCÉDÉ POUR FAIRE FONCTIONNER LEDIT SYSTÈME

Publication

**EP 2909884 A1 20150826 (DE)**

Application

**EP 13773679 A 20131001**

Priority

- DE 102012219141 A 20121019
- EP 2013070422 W 20131001

Abstract (en)

[origin: WO2014060211A1] A fuel cell system is described, with a fuel cell unit (12) comprising at least one anode (46) and one cathode (42), which are electrically contacted with one another via an electrolyte (16a-16d, 40, 52a-52c), wherein a fuel gas is applied to the anode (46) and an oxygen-containing gas, particularly air, is applied to the cathode (42) via air-guiding components (18, 22) of the fuel cell system (10). At least in the region of the air-guiding components (18, 22), a material (24) that absorbs or adsorbs chromium compounds is provided, which material is in contact with the oxygen-containing gas mixture fed to the cathode (42).

IPC 8 full level

**H01M 8/12** (2006.01); **H01M 8/04** (2006.01)

CPC (source: EP)

**H01M 8/0662** (2013.01); **H01M 8/243** (2013.01); **H01M 8/1226** (2013.01); **H01M 2008/1293** (2013.01); **Y02E 60/50** (2013.01)

Citation (search report)

See references of WO 2014060211A1

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)

**DE 102012219141 A1 20140424**; EP 2909884 A1 20150826; KR 102153881 B1 20200909; KR 20150073988 A 20150701; WO 2014060211 A1 20140424

DOCDB simple family (application)

**DE 102012219141 A 20121019**; EP 13773679 A 20131001; EP 2013070422 W 20131001; KR 20157009976 A 20131001