

Title (en)

METHOD FOR OPERATING A FUEL CELL

Title (de)

VERFAHREN ZUM BETRIEB EINER BRENNSTOFFZELLE

Title (fr)

PROCÉDÉ D'EXPLOITATION D'UNE PILE À COMBUSTIBLE

Publication

EP 2277226 A1 20110126 (DE)

Application

EP 09731180 A 20090408

Priority

- EP 2009002585 W 20090408
- EP 08007168 A 20080411
- EP 09731180 A 20090408

Abstract (en)

[origin: WO2009124737A1] The invention relates to a method for operating a fuel cell, particularly for switching off a fuel cell. In order to switch off the fuel cell, the supply of the gas mixture comprising oxygen and nitrogen is interrupted, wherein the oxygen present at the cathode reacts with the protons present by means of conversion, and the residual oxygen content at the cathode side of the fuel cell is lowered in this manner. Due to the method according to the invention, the fuel cell may be better stored, wherein a defined low chemical potential is applied at both electrodes.

IPC 8 full level

H01M 8/04 (2006.01)

CPC (source: EP US)

H01M 8/04223 (2013.01 - EP US); **H01M 8/04228** (2016.02 - EP); **H01M 8/04238** (2013.01 - EP US); **H01M 8/04303** (2016.02 - EP US); **H01M 8/102** (2013.01 - US); **H01M 8/1027** (2013.01 - EP US); **H01M 8/103** (2013.01 - EP US); **H01M 8/1032** (2013.01 - EP US); **H01M 8/1048** (2013.01 - EP US); **H01M 8/04089** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP)

Citation (search report)

See references of WO 2009124737A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2009124737 A1 20091015; **WO 2009124737 A9 20091203**; CA 2717540 A1 20091015; CN 102067369 A 20110518; EP 2277226 A1 20110126; JP 2011517037 A 20110526; KR 20110021717 A 20110304; RU 2010145736 A 20120520; US 2011033759 A1 20110210

DOCDB simple family (application)

EP 2009002585 W 20090408; CA 2717540 A 20090408; CN 200980112794 A 20090408; EP 09731180 A 20090408; JP 2011503378 A 20090408; KR 20107020709 A 20090408; RU 2010145736 A 20090408; US 93731809 A 20090408