

Title (en)

METHOD FOR REGULATING THE FUEL CONCENTRATION IN THE ANODE FLUID OF A FUEL CELL, AND CORRESPONDING DEVICE

Title (de)

VERFAHREN ZUR REGELUNG DER BRENNSTOFFKONZENTRATION IN DER ANODENFLÜSSIGKEIT EINER BRENNSTOFFZELLE UND ZUGEHÖRIGE VORRICHTUNG

Title (fr)

PROCEDE DE REGULATION DE LA CONCENTRATION EN COMBUSTIBLE DANS LE LIQUIDE D'ANODE D'UNE PILE A COMBUSTIBLE ET DISPOSITIF CORRESPONDANT

Publication

EP 1310007 A1 20030514 (DE)

Application

EP 01962605 A 20010803

Priority

- DE 0102976 W 20010803
- DE 10039959 A 20000816

Abstract (en)

[origin: WO0215314A1] In the case of a fuel cell, in which a waste gas develops on the anode and on the cathode, the invention provides that the carbon dioxide concentration in the cathode waste gas is measured and the measured result is used to determine the loss of fuel that results via the membrane of the fuel cell. To this end, the corresponding device is provided with a carbon dioxide sensor (16) that is arranged inside the gas stream.

IPC 1-7

H01M 8/04

IPC 8 full level

H01M 8/04186 (2016.01); **H01M 8/0662** (2016.01); **H01M 8/04089** (2016.01); **H01M 8/04119** (2016.01); **H01M 8/1009** (2016.01)

CPC (source: EP US)

H01M 8/04186 (2013.01 - EP US); **H01M 8/0662** (2013.01 - EP US); **H01M 8/04097** (2013.01 - EP US); **H01M 8/04156** (2013.01 - EP US); **H01M 8/04194** (2013.01 - EP US); **H01M 8/1009** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP US)

Citation (search report)

See references of WO 0215314A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0215314 A1 20020221; CA 2419452 A1 20030214; CN 1446385 A 20031001; DE 10039959 A1 20020307; EP 1310007 A1 20030514; JP 2004507053 A 20040304; US 2003146094 A1 20030807

DOCDB simple family (application)

DE 0102976 W 20010803; CA 2419452 A 20010803; CN 01814070 A 20010803; DE 10039959 A 20000816; EP 01962605 A 20010803; JP 2002520342 A 20010803; US 36815403 A 20030218