

Title (en)

METHOD FOR DETECTING A GAS LEAK IN A PEM FUEL CELL

Title (de)

VERFAHREN ZUR ERMITTLUNG EINES GASLECKS IN EINER PEM-BRENNSTOFFZELLE

Title (fr)

PROCEDE DE DETECTION D'UNE FUITE DE GAZ DANS UNE CELLULE A COMBUSTIBLE PEM

Publication

EP 1502318 A1 20050202 (DE)

Application

EP 03735345 A 20030424

Priority

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- EP 0304269 W 20030424
- EP 02010338 A 20020507

Abstract (en)

[origin: EP1361620A1] The method involves charging the PEM fuel cell with a direct current and measuring the time variation of the electrical voltage on the fuel cell. The current density used when charging the fuel cell is between 1 and 10 milliamperes per square centimeter in the PEM fuel cell. The voltage applied to the fuel cell during charging is between 0.5 and 2 volts. AN Independent claim is also included for the following: (a) an arrangement for implementing the inventive method.

IPC 1-7

H01M 8/04

IPC 8 full level

H01M 8/10 (2006.01); **H01M 8/04** (2006.01)

CPC (source: EP US)

H01M 8/04225 (2016.02 - US); **H01M 8/04559** (2013.01 - EP US); **H01M 8/04679** (2013.01 - EP US); **H01M 8/0488** (2013.01 - EP US); **H01M 8/0491** (2013.01 - EP US); **H01M 8/04952** (2016.02 - EP US); **H01M 8/241** (2013.01 - EP US); **H01M 8/2457** (2016.02 - EP US); **H01M 8/04238** (2013.01 - EP US); **H01M 8/04246** (2013.01 - EP US); **H01M 2300/0082** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP)

Citation (search report)

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