

Title (en)
FUEL CELL

Title (de)
BRENNSTOFFZELLE

Title (fr)
PILE A COMBUSTIBLE

Publication
EP 1405360 A2 20040407 (DE)

Application
EP 02732405 A 20020425

Priority
• DE 0201518 W 20020425
• DE 10124713 A 20010518

Abstract (en)
[origin: DE10218371A1] A fuel-cell with a proton-conducting membrane as the electrolyte and having catalyst layers overlapping the membrane on both sides. Gas-permeable electrodes in the form of an anode and a cathode are provided. Electrically conductive plates electrically conductively border on the electrodes and together with the electrodes define the gas-carrying channels. The membrane comprises a matrix into which a proton-conducting polymer substance on an organic basis is mixed.

IPC 1-7
H01M 8/10; **H01M 8/02**

IPC 8 full level
H01M 8/0289 (2016.01); **H01M 8/106** (2016.01); **H01M 8/1004** (2016.01)

CPC (source: EP US)
H01M 8/0289 (2013.01 - EP US); **H01M 8/106** (2013.01 - EP US); **H01M 4/881** (2013.01 - EP US); **H01M 8/1004** (2013.01 - EP US); **H01M 2300/0082** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP)

Citation (search report)
See references of WO 02095856A2

Designated contracting state (EPC)
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DE 10218371 A1 20021121; EP 1405360 A2 20040407; US 2004137296 A1 20040715; WO 02095856 A2 20021128; WO 02095856 A3 20030220

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DE 10218371 A 20020425; DE 0201518 W 20020425; EP 02732405 A 20020425; US 47604603 A 20031028