

Title (en)

SOLID-OXIDE FUEL CELL AND METHOD FOR PRODUCING THE SAME

Title (de)

FESTOXIDBRENNSTOFFZELLE UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

PILE A COMBUSTIBLE A OXYDE SOLIDE ET SON PROCEDE DE PRODUCTION

Publication

EP 1658653 A1 20060524 (DE)

Application

EP 04741994 A 20040715

Priority

- EP 2004051501 W 20040715
- DE 10339613 A 20030828

Abstract (en)

[origin: WO2005024990A1] The invention relates to a solid-oxide fuel cell comprising an electrolytic layer (6) on a porous base layer (5) consisting of an electrolytic material. To create the electrolytic layer (6), nanoparticles are used, which are sintered at a relatively low temperature to produce a thin, gas-tight electrolytic layer (6).

IPC 1-7

H01M 8/12

IPC 8 full level

H01M 8/12 (2006.01)

CPC (source: EP US)

H01M 8/1213 (2013.01 - EP US); **H01M 8/1226** (2013.01 - EP US); **H01M 8/1246** (2013.01 - EP US); **H01M 2008/1293** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP US); **Y02P 70/50** (2015.11 - EP US)

Citation (search report)

See references of WO 2005024990A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 2005024990 A1 20050317; DE 10339613 A1 20050331; EP 1658653 A1 20060524; JP 2007504604 A 20070301; US 2006172166 A1 20060803

DOCDB simple family (application)

EP 2004051501 W 20040715; DE 10339613 A 20030828; EP 04741994 A 20040715; JP 2006524355 A 20040715; US 36331906 A 20060228