

Title (en)

FUEL CELL HAVING FLAT-TUBULAR ANODE

Title (de)

BRENNSTOFFZELLE MIT FLACHROHRANODE

Title (fr)

PILE À COMBUSTIBLE AYANT UNE ANODE TUBULAIRE PLATE

Publication

EP 3152794 A1 20170412 (EN)

Application

EP 15803627 A 20150527

Priority

- US 201462008206 P 20140605
- US 2015032561 W 20150527

Abstract (en)

[origin: WO2015187416A1] A solid oxide fuel cell (SOFC) including a flat-tubular anode and a cathode. In an embodiment, the flat-tubular anode and the cathode can be substantially thick. In an embodiment, the cathode can have a coefficient of thermal expansion (CTE) that is substantially the same as a CTE of the flattubular anode. In an embodiment, the cathode can have channels formed within the cathode for the intake of air/oxygen from an outside source.

IPC 8 full level

H01M 8/12 (2016.01); **H01M 4/86** (2006.01); **H01M 8/02** (2016.01)

CPC (source: EP)

H01M 4/8621 (2013.01); **H01M 8/0236** (2013.01); **H01M 8/0245** (2013.01); **H01M 8/1213** (2013.01); **H01M 8/1253** (2013.01); **H01M 8/2428** (2016.02); **H01M 8/243** (2013.01); **H01M 4/9033** (2013.01); **H01M 4/9066** (2013.01); **Y02E 60/50** (2013.01); **Y02P 70/50** (2015.11)

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2015187416 A1 20151210; EP 3152794 A1 20170412; EP 3152794 A4 20171220; JP 2017522691 A 20170810

DOCDB simple family (application)

US 2015032561 W 20150527; EP 15803627 A 20150527; JP 2016571351 A 20150527