

Title (en)

METHOD FOR PRODUCING MEMBRANES COATED WITH A CATALYST ON BOTH SIDES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON BEIDSEITIG KATALYSATORBESCHICHTETEN MEMBRANEN

Title (fr)

PROCEDE DE PRODUCTION DE MEMBRANES POURVUES SUR CHAQUE FACE D'UN REVETEMENT CATALYSEUR

Publication

**EP 1917693 A1 20080507 (DE)**

Application

**EP 06778239 A 20060815**

Priority

- EP 2006065310 W 20060815
- DE 102005038612 A 20050816

Abstract (en)

[origin: CA2618192A1] The invention relates to a method for producing membranes coated with a catalyst on both sides for electrochemical devices, with the following steps : A) producing a first semifinished product by applying a first ionomer layer onto a first support, applying an anode catalyst layer onto the first ionome r layer while using a first catalyst ink, and drying the anode catalyst layer; B) producing a second semifinished product by applying a second ionomer laye r onto a second support, applying a cathode catalyst layer onto the second ionomer layer while using a second catalyst tint, and drying the cathode catalyst layer; C) removing the first and second supports from the first or second ionomer layer and, joining the first semifinished product to the seco nd semifinished product by joining the first ionomer layer to the second ionome r layer.

IPC 8 full level

**H01M 4/88** (2006.01); **C25B 9/23** (2021.01); **H01M 8/02** (2006.01); **H01M 8/10** (2006.01)

CPC (source: EP KR US)

**H01M 4/88** (2013.01 - KR); **H01M 4/8814** (2013.01 - EP US); **H01M 4/8825** (2013.01 - EP US); **H01M 4/8875** (2013.01 - EP US);  
**H01M 8/02** (2013.01 - KR); **H01M 8/1004** (2013.01 - EP US); **B01D 2325/10** (2013.01 - EP US); **H01M 2008/1095** (2013.01 - EP US);  
**Y02E 60/50** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP US)

Citation (search report)

See references of WO 2007020258A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**DE 102005038612 A1 20070222**; CA 2618192 A1 20070222; CN 101288192 A 20081015; EP 1917693 A1 20080507;  
JP 2009505364 A 20090205; KR 20080034982 A 20080422; NO 20080530 L 20080310; US 2010291462 A1 20101118;  
WO 2007020258 A1 20070222

DOCDB simple family (application)

**DE 102005038612 A 20050816**; CA 2618192 A 20060815; CN 200680038346 A 20060815; EP 06778239 A 20060815;  
EP 2006065310 W 20060815; JP 2008526491 A 20060815; KR 20087005514 A 20080306; NO 20080530 A 20080129; US 6320206 A 20060815