

Title (en)

CERAMIC MEMBRANE HAVING A CATALYTIC MEMBRANE-MATERIAL COATING

Title (de)

KERAMISCHE MEMBRAN MIT KATALYTISCHER MEMBRANMATERIAL-BESCHICHTUNG

Title (fr)

MEMBRANE CÉRAMIQUE PRÉSENTANT UN REVÊTEMENT DE MATÉRIAU DE MEMBRANE CATALYTIQUE

Publication

EP 2473252 A1 20120711 (DE)

Application

EP 10727353 A 20100519

Priority

- DE 102009039149 A 20090831
- EP 2010003094 W 20100519

Abstract (en)

[origin: WO2011023252A1] The invention relates to a porously coated, densely sintered ceramic membrane, which can be produced from a green membrane and subsequent sintering, wherein said membrane (5) is coated with ceramic material (6), which contains noble metals, which can be produced by application and subsequent thermal treatment, wherein the noble metals are contained at a concentration of 0.2 to 5 mass percent.

IPC 8 full level

B01D 53/22 (2006.01); **B01D 67/00** (2006.01); **B01D 71/02** (2006.01); **B01J 19/24** (2006.01); **B01J 35/00** (2024.01); **C01B 13/02** (2006.01)

CPC (source: EP US)

B01D 53/22 (2013.01 - EP US); **B01D 53/228** (2013.01 - EP US); **B01D 67/0048** (2013.01 - EP US); **B01D 71/0271** (2022.08 - EP US); **B01J 19/2475** (2013.01 - EP US); **C01B 3/045** (2013.01 - EP US); **C01B 3/386** (2013.01 - EP US); **C01B 13/0255** (2013.01 - EP US); **C04B 35/2633** (2013.01 - EP US); **C04B 35/624** (2013.01 - EP US); **B01D 2325/10** (2013.01 - EP US); **C01B 2203/1241** (2013.01 - EP US); **C01B 2210/0046** (2013.01 - EP US); **C04B 2235/3215** (2013.01 - EP US); **C04B 2235/3244** (2013.01 - EP US); **C04B 2235/3275** (2013.01 - EP US); **C04B 2235/3289** (2013.01 - EP US); **C04B 2235/449** (2013.01 - EP US); **C04B 2235/6022** (2013.01 - EP US); **C04B 2235/6562** (2013.01 - EP US); **C04B 2235/6565** (2013.01 - EP US); **C04B 2235/768** (2013.01 - EP US); **Y02E 60/36** (2013.01 - EP US); **Y02P 20/52** (2015.11 - EP US)

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 SE SI SK SM TR

DOCDB simple family (publication)

DE 102009039149 A1 20110303; **DE 102009039149 A8 20110601**; EP 2473252 A1 20120711; JP 2013503027 A 20130131; US 2012204716 A1 20120816; US 8721766 B2 20140513; WO 2011023252 A1 20110303; WO 2011023252 A4 20110421

DOCDB simple family (application)

DE 102009039149 A 20090831; EP 10727353 A 20100519; EP 2010003094 W 20100519; JP 2012525891 A 20100519; US 201013393442 A 20100519