

Title (en)  
METHOD FOR REMOVING CO, H2 AND/OR CH4 FROM THE ANODE WASTE GAS OF A FUEL CELL WITH MIXED OXIDE CATALYSTS COMPRISING Cu, Mn AND OPTIONALLY AT LEAST ONE RARE EARTH METAL

Title (de)  
VERFAHREN ZUR ENTFERNUNG VON CO, H2 UND/ODER CH4 AUS DEM ANODENABGAS EINER BRENNSTOFFZELLE MIT MISCHOXIDKATALYSATOREN UMFASSEND Cu, Mn UND GEGEBENENFALLS MINDESTENS EIN SELTENERDMETALL

Title (fr)  
PROCÉDÉ POUR ÉLIMINER CO, H2 ET/OU CH4 DES EFFLUENTS GAZEUX DE L'ANODE D'UNE PILE À COMBUSTIBLE AVEC DES CATALYSEURS OXYDES MIXTES COMPRENANT Cu, Mn ET ÉVENTUELLEMENT AU MOINS UN MÉTAL DES TERRES RARES

Publication  
**EP 2175968 A1 20100421 (DE)**

Application  
**EP 08786651 A 20080730**

Priority  
• EP 2008060024 W 20080730  
• DE 102007037796 A 20070810

Abstract (en)  
[origin: CA2694774A1] The invention relates to a method for removing CO, H2 and/or CH4 from the anode waste gas of a fuel cell using mixed oxide catalysts comprising Cu, Mn and optionally at least one rare earth metal and to the use of mixed oxide catalysts comprising Cu, Mn, and optionally at least one rare earth metal for removing CO, H2 and/or CH4 from the anode waste gas of a fuel cell, and to a fuel cell arrangement.

IPC 8 full level  
**B01D 53/86** (2006.01); **B01J 23/889** (2006.01); **H01M 8/06** (2006.01)

CPC (source: EP US)  
**B01D 53/864** (2013.01 - EP US); **B01D 53/944** (2013.01 - EP US); **B01J 23/8892** (2013.01 - EP US); **H01M 8/0662** (2013.01 - EP US); **H01M 8/0668** (2013.01 - EP US); **B01D 2255/206** (2013.01 - EP US); **B01D 2255/2073** (2013.01 - EP US); **B01D 2255/20761** (2013.01 - EP US); **B01D 2258/0208** (2013.01 - EP US); **H01M 8/04097** (2013.01 - EP US); **H01M 8/0618** (2013.01 - EP US); **H01M 2008/1293** (2013.01 - EP US); **H01M 2008/147** (2013.01 - EP US); **H01M 2250/405** (2013.01 - EP US); **Y02B 90/10** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**DE 102007037796 A1 20090212**; CA 2694774 A1 20090219; CN 101784330 A 20100721; CN 101784330 B 20130306; EP 2175968 A1 20100421; JP 2010535612 A 20101125; JP 5266323 B2 20130821; KR 101410856 B1 20140624; KR 20100051854 A 20100518; US 2011207003 A1 20110825; WO 2009021850 A1 20090219

DOCDB simple family (application)  
**DE 102007037796 A 20070810**; CA 2694774 A 20080730; CN 200880102851 A 20080730; EP 08786651 A 20080730; EP 2008060024 W 20080730; JP 2010519438 A 20080730; KR 20107005231 A 20080730; US 67173708 A 20080730