

Title (en)  
PRODUCTION OF A MIXTURE OF HYDROGEN AND NATURAL GAS

Title (de)  
HERSTELLUNG EINER MISCHUNG AUS WASSERSTOFF UND ERDGAS

Title (fr)  
PRODUCTION D'UN MÉLANGE D'HYDROGÈNE ET DE GAZ NATUREL

Publication  
**EP 2512982 A4 20140409 (EN)**

Application  
**EP 10837170 A 20101203**

Priority  
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• IN 2010000787 W 20101203

Abstract (en)  
[origin: WO2011073994A1] The present subject matter relates to a process of reforming a natural gas stream by steam. The reforming is carried out at a temperature within a predetermined range to form a substantially carbon monoxide free product mixture of hydrogen and natural gas. The reforming is carried out in presence of a nickel-based catalyst. The temperature is controlled in a range of about 350°C to about 390°C. The reforming can be started or stopped or its rate can be varied, based on an outflow demand of the product mixture of hydrogen and natural gas.

IPC 8 full level  
**C01B 3/38** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
• [XYI] US 2009155650 A1 20090618 - CUI JINGYU [US], et al  
• [Y] WO 2006055326 A1 20060526 - PRAXAIR TECHNOLOGY INC [US], et al  
• [X] JP H04182302 A 19920629 - PETROLEUM ENERGY CENTER FOUND, et al  
• [X] DATABASE WPI Section Ch Week 199232, Derwent World Patents Index; Class E31, AN 1992-265002, XP002720942  
• See references of WO 2011073994A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 2011073994 A1 20110623**; EP 2512982 A1 20121024; EP 2512982 A4 20140409; EP 3800162 A1 20210407; US 2012304539 A1 20121206

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