

Title (en)
HYDROGEN PRODUCTION METHOD BY DIRECT DECOMPOSITION OF NATURAL GAS AND LPG

Title (de)
VERFAHREN ZUR PRODUKTION VON WASSERSTOFF DURCH DIREKTE ZERSETZUNG VON ERDGAS UND LPG

Title (fr)
PROCÉDÉ DE FABRICATION D'HYDROGENE PAR DÉCOMPOSITION DIRECTE DE GAZ NATUREL ET DE GAZ DE PETROLE LIQUEFIÉ (LPG)

Publication
EP 2076332 A1 20090708 (EN)

Application
EP 07826782 A 20071018

Priority
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• TR 200605865 A 20061019

Abstract (en)
[origin: WO2008047321A1] A nickel-iron catalyst on gamma-aluminum oxide which is prepared by means of a multi- step adsorption approach in a hydrogen production method by direct decomposition of natural gas and LPG is used. Aqueous solutions of nickel and iron nitrate salts are adsorbed together on the gamma-aluminum surface in preparing the catalyst used in this method, wherein the weight ratio of nickel and iron on the catalyst surface is 1 :1 and their total weight is 20-40% by weight. The temperature of this method varies between 550°C to 650°C.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
See references of WO 2008047321A1

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