

Title (en)  
METHOD FOR PRODUCING HYDROGEN

Title (de)  
VERFAHREN ZUR ERZEUGUNG VON WASSERSTOFF

Title (fr)  
PROCEDE DE PRODUCTION D'HYDROGENE

Publication  
**EP 1597195 A2 20051123 (DE)**

Application  
**EP 03785555 A 20031211**

Priority  
• DE 0304086 W 20031211  
• DE 10258072 A 20021211

Abstract (en)  
[origin: WO2004052774A2] The invention relates to a method for producing hydrogen by reacting amorphous silicon with water, an alcohol or a carboxylic acid. Said method can be carried out independently of carbon sources and water sources and performed in situ without any hydrogen transport or storage problems.

IPC 1-7  
**C01B 3/00**

IPC 8 full level  
**C01B 3/06** (2006.01); **C01B 3/08** (2006.01); **C01B 33/12** (2006.01)

CPC (source: EP US)  
**C01B 3/06** (2013.01 - EP US); **C01B 3/08** (2013.01 - EP US); **C01B 33/12** (2013.01 - EP US); **Y02E 60/36** (2013.01 - EP US)

Citation (search report)  
See references of WO 2004052774A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004052774 A2 20040624; WO 2004052774 A3 20041007**; AU 2003294647 A1 20040630; AU 2003294647 A8 20040630; CN 100475687 C 20090408; CN 1735561 A 20060215; DE 10258072 A1 20040701; EP 1597195 A2 20051123; JP 2006509702 A 20060323; JP 4566751 B2 20101020; US 2006246001 A1 20061102

DOCDB simple family (application)  
**DE 0304086 W 20031211**; AU 2003294647 A 20031211; CN 200380108284 A 20031211; DE 10258072 A 20021211; EP 03785555 A 20031211; JP 2004557807 A 20031211; US 53860305 A 20050609