

Title (en)

CATALYST AND METHOD FOR REFORMING ETHANOL AND FUEL CELL SYSTEM USING SAME

Title (de)

KATALYSATOR UND VERFAHREN FÜR DIE REFORMIERUNG VON ETHANOL UND BRENNSTOFFZELLANORDNUNG UNTER VERWENDUNG DERSELBEN

Title (fr)

CATALYSEUR ET PROCEDE DE REFORMAGE DE L'ETHANOL AINSI QUE SYSTEME DE PILE A COMBUSTIBLE LES UTILISANT

Publication

**EP 1109621 A1 20010627 (FR)**

Application

**EP 00946017 A 20000626**

Priority

- FR 0001782 W 20000626
- FR 9908083 A 19990624

Abstract (en)

[origin: FR2795339A1] The starting alcohol for the process can be obtained from a biomass origin and the waste products from the fuel cell are non-contaminating to the environment. A process for the production of hydrogen by the catalytic reforming of ethanol at 300 - 800 deg C. in the presence of oxygen, for use in a fuel cell system, is claimed. An Independent claim is also included for the installation incorporating the fuel cell.

IPC 1-7

**B01J 23/755**; **C01B 3/32**; **H01M 8/06**; **B01D 53/86**

IPC 8 full level

**C01B 3/40** (2006.01); **B01J 23/00** (2006.01); **B01J 23/42** (2006.01); **B01J 23/755** (2006.01); **B01J 23/80** (2006.01); **C01B 3/32** (2006.01); **C01B 3/48** (2006.01); **C01B 3/54** (2006.01); **C01B 3/58** (2006.01); **H01M 8/06** (2006.01); **H01M 8/04** (2006.01)

CPC (source: EP)

**B01J 23/002** (2013.01); **B01J 23/42** (2013.01); **B01J 23/755** (2013.01); **B01J 23/80** (2013.01); **C01B 3/326** (2013.01); **C01B 3/54** (2013.01); **C01B 3/583** (2013.01); **H01M 8/0612** (2013.01); **H01M 8/0662** (2013.01); **B01J 2523/00** (2013.01); **C01B 2203/0415** (2013.01); **C01B 2203/044** (2013.01); **C01B 2203/0465** (2013.01); **C01B 2203/047** (2013.01); **C01B 2203/0475** (2013.01); **C01B 2203/0495** (2013.01); **C01B 2203/1052** (2013.01); **C01B 2203/1076** (2013.01); **C01B 2203/1082** (2013.01); **H01M 8/04022** (2013.01); **Y02E 60/50** (2013.01); **Y02P 20/52** (2015.11)

C-Set (source: EP)

**B01J 2523/00** + **B01J 2523/17** + **B01J 2523/27** + **B01J 2523/31** + **B01J 2523/845**

Citation (search report)

See references of WO 0100320A1

Designated contracting state (EPC)

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