



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 1 452 230 A8**

(12) **CORRECTED EUROPEAN PATENT APPLICATION**

Note: Bibliography reflects the latest situation

(15) Correction information:
Corrected version no 1 (W1 A1)
INID code(s) 71

(51) Int Cl.7: **B01J 23/80**, B01J 23/889,
B01J 37/03, B01J 21/04

(48) Corrigendum issued on:
17.11.2004 Bulletin 2004/47

(43) Date of publication:
01.09.2004 Bulletin 2004/36

(21) Application number: **03028792.4**

(22) Date of filing: **13.12.2003**

(84) Designated Contracting States:
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
Designated Extension States:
AL LT LV MK

(72) Inventors:
• **Takeishi, Kaoru**
Hamamatsu-shi Shizuoka-ken (JP)
• **Yamamoto, Kosei**
Hamamatsu-shi Shizuoka-ken (JP)

(30) Priority: **28.02.2003 JP 2003054413**

(74) Representative: **Luderschmidt, Schüler & Partner**
Patentanwälte,
John-F.-Kennedy-Strasse 4
65189 Wiesbaden (DE)

(71) Applicants:
• **President of Shizuoka University**
Shizuoka-shi, Shizuoka-ken (JP)
• **Suzuki Motor Corporation**
Hamamatsu-shi, Shizuoka-ken (JP)

(54) **Dimethyl ether steam reforming catalyst and method for producing the same**

(57) The object of the present invention is to achieve excellent reforming ability even at lower temperatures, with a dimethyl ether steam reforming catalyst.

According to the present invention, there is provided a dimethyl ether steam reforming catalyst capable of steam-reforming dimethyl ether to obtain hydrogen,

comprising active alumina, Cu, and at least one element selected from the group consisting of Mn and Fe, the catalyst being prepared by a sol-gel method, and the catalyst having a porous structure.

EP 1 452 230 A8