



(11) **EP 1 702 683 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 72

(48) Corrigendum issued on:
21.05.2014 Bulletin 2014/21

(45) Date of publication and mention
of the grant of the patent:
26.03.2014 Bulletin 2014/13

(21) Application number: **04819836.0**

(22) Date of filing: **30.11.2004**

(51) Int Cl.:
B01J 27/24^(2006.01) C25B 11/06^(2006.01)
H01M 4/90^(2006.01)

(86) International application number:
PCT/JP2004/017801

(87) International publication number:
WO 2005/053840 (16.06.2005 Gazette 2005/24)

(54) **METAL OXYNITRIDE ELECTRODE CATALYST**

METALLOXIDNITRIDELEKTRODENKATALYSATOR

CATALYSEUR D'ELECTRODE D'OXYNITRURE METALLIQUE

(84) Designated Contracting States:
DE

(30) Priority: **02.12.2003 JP 2003403653**

(43) Date of publication of application:
20.09.2006 Bulletin 2006/38

(73) Proprietor: **Japan Science and Technology Agency**
Kawaguchi-shi, Saitama 332-0012 (JP)

(72) Inventors:
• **OTA, Kenichiro**
Koganei-shi, Tokyo, 1840015 (JP)
• **KAMIYA, Nobuyuki**
Yokohama-shi, Kanagawa, 2440814 (JP)
• **ISHIHARA, Akimitsu**
Kanagawa, 2540821 (JP)
• **DOUMEN, Kazunari**
Kanagawa, 2280803 (JP)
• **HARA, Michikazu**
Kanagawa, 2310838 (JP)
• **MITSUSHIMA, Shigenori**
Kanagawa, 247-0072 (JP)

(74) Representative: **Röthinger, Rainer**
Wuesthoff & Wuesthoff
Patent- und Rechtsanwälte
Schweigerstrasse 2
81541 München (DE)

(56) References cited:
JP-A- 2000 048 833 JP-A- 2004 303 664

- **WANG-JAE CHUN ET AL.: "CONDUCTION AND VALENCE BAND POSITIONS OF Ta₂O₅, TaON and Ta₃N₅ by UPS AND ELECTROCHEMICAL METHODS." J. PHYS. CHEM., vol. 107, 25 January 2003 (2003-01-25), pages 1798-1803, XP002595971**
- **GO HITOKI ET AL: "AN OXYNITRIDE, TaON, AS AN EFFICIENT WATER OXIDATION PHOTOCATALYST UNDER VISIBLE LIGHT IRRADIATION" CHEM. COMMUN., 10 July 2002 (2002-07-10), pages 1698-1699, XP002595972**
- **CHUN W.J. ET AL: 'Conduction and Valence Band Positions of Ta₂O₅, TaOn, and Ta₃N₅' UPS AND ELECTROCHEMICAL METHODS, JOURNAL OF PHYSICAL CHEMISTRY vol. 107, no. 8, 27 February 2003, pages 1798 - 1803, XP002987574**

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

EP 1 702 683 B8