Title (en)
METHOD FOR STORING, ABSORBING AND EMITTING GASES USING NOVEL FRAMEWORK MATERIALS

Title (de)
VERFAHREN ZUM SPEICHERN, ZUR AUFNAHME UND ABGABE VON GASEN UNTER VERWENDUNG NEUARTIGER GERÜSTMATERIALIEN

Title (fr)
PROCEDE DESTINE AU STOCKAGE, AU CAPTAGE ET A LA DISTRIBUTION DE GAZ PAR UTILISATION DE NOUVEAUX MATERIAUX STRUCTURELS

Publication
EP 1471997 A1 20041103 (DE)

Application
EP 02806650 A 20020701

Priority
• EP 0207250 W 20020701
• US 6114702 A 20020201

Abstract (en)
[origin: CA2391755A1] The present invention relates to a method of using a metallo-organic framewo rk material comprising pores and at least one metal ion and at least one at lea st bidentate organic compound, which is bound, preferably coordinately bound to said metal ion for uptaking, or storing, or releasing, or uptaking and storing, or uptaking and releasing, or storing and releasing or uptaking, storing and releasing at least one gas as well as a fuel cell comprising said material for the purposes outlined above.

IPC 1-7
B01J 20/26; B01J 20/30; C01B 3/00

IPC 8 full level
B01D 53/02 (2006.01); **B01D 53/04** (2006.01); **B01J 20/22** (2006.01); **B01J 20/26** (2006.01); **B01J 20/28** (2006.01); **B01J 20/30** (2006.01); **B01J 20/32** (2006.01); **C01B 3/00** (2006.01); **F17C 11/00** (2006.01); **H01M 8/04** (2006.01); **H01M 8/06** (2006.01)

CPC (source: EP KR US)
B01D 53/02 (2013.01 - EP US); **B01J 20/226** (2013.01 - EP US); **B01J 20/26** (2013.01 - KR); **B01J 20/30** (2013.01 - KR); **C01B 3/00** (2013.01 - KR); **C01B 3/001** (2013.01 - EP US); **F17C 11/00** (2013.01 - EP US); **F17C 11/005** (2013.01 - EP US); **F17C 11/007** (2013.01 - EP US); **H01M 8/065** (2013.01 - EP US); Y02C 20/40 (2020.08 - EP US); Y02E 60/32 (2013.01 - EP US); Y02E 60/50 (2013.01 - EP); Y10S 502/526 (2013.01 - EP US)

Citation (search report)
See references of WO 03064030A1

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

DOCDB simple family (publication)
DE 20210139 U1 20030612; CA 2391755 A1 20030801; CA 2391755 C 20100105; CN 1617761 A 20050518; EP 1471997 A1 20041103; IS 7375 A 20040729; JP 2005525218 A 20050825; KR 100856445 B1 20080904; KR 20040096545 A 20041116; MX PA04007326 A 20041126; TW I304279 B 20081211; US 2003148165 A1 20030807; US 6929679 B2 20050816; WO 03064030 A1 20030807

DOCDB simple family (application)
DE 20210139 U 20020701; CA 2391755 A 20020626; CN 02827705 A 20020701; EP 0207250 W 20020701; EP 02806650 A 20020701; IS 7375 A 20040729; JP 2003563711 A 20020701; KR 20047011841 A 20020701; MX PA04007326 A 20020701; TW 91114521 A 20020717; US 6114702 A 20020201