

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 November 2008 (27.11.2008)

PCT

(10) International Publication Number
WO 2008/142017 A3

(51) International Patent Classification:

C01F 5/24 (2006.01) **C01B 33/12** (2006.01)
C01F 11/18 (2006.01) **C01B 33/18** (2006.01)
B01D 53/62 (2006.01)

(21) International Application Number:

PCT/EP2008/056027

(22) International Filing Date: 16 May 2008 (16.05.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

07108540.1 21 May 2007 (21.05.2007) EP

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

Published:

— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

26 February 2009

(54) Title: A PROCESS FOR SEQUESTRATION OF CARBON DIOXIDE BY MINERAL CARBONATION

(57) Abstract: The invention provides a process for sequestration of carbon dioxide by mineral carbonation comprising the following steps: (a) converting a magnesium or calcium sheet silicate hydroxide into a magnesium or calcium ortho- or chain silicate by bringing the silicate hydroxide in direct or indirect heat-exchange contact with hot flue gas to obtain the silicate, silica, water and cooled flue gas; (b) contacting the silicate obtained in step (a) with carbon dioxide to convert the silicate into magnesium or calcium carbonate and silica.



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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2008/056027

A. CLASSIFICATION OF SUBJECT MATTER INV. C01F5/24 C01F11/18 B01D53/62 C01B33/12 C01B33/18		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) C01F B01D C01B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, COMPENDEX, INSPEC, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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☒ Further documents are listed in the continuation of Box C. ☒ See patent family annex.		
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Date of the actual completion of the international search 22 December 2008		Date of mailing of the international search report 07/01/2009
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016		Authorized officer Zalm, Wim

INTERNATIONAL SEARCH REPORT

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PCT/EP2008/056027

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INTERNATIONAL SEARCH REPORT

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PCT/EP2008/056027

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2008/056027

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