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(71) Applicant *(for all designated States except US)*: **EXXONMOBIL RESEARCH AND ENGINEERING COMPANY** [US/US]; 1545 Route 22 East, P.O. Box 900, Annandale, NJ 08801-0900 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **BANGARU, Narasimha-Rao, Venkata** [US/US]; 5 Revere Court, Annandale, NJ 08801 (US). **CHUN, ChangMin** [KR/US]; 106 Tomahawk Court, Belle Mead, NJ 08502 (US). **THIRUMALAI, Neeraj, Srinivas** [IN/US]; 106 Arrowhead Court, Apt. D7, Phillipsburg, New Jersey 08865 (US). **JIN, Hyun-Woo** [KR/US]; 680 Corliss Avenue, Apt. 3B, Phillipsburg, NJ 08865 (US). **PETERSON, John, Roger** [US/US]; 43683 Frost Court, Ashburn, VA 20147 (US). **ANTRAM, Robert, Lee** [US/US]; 7343 Windsor Court, Warrenton, VA 20186 (US). **FOWLER, Christopher, John** [US/US]; 7116 Wesley Road, Springfield, VA 22150 (US).

(74) Agents: **VARADARAJ, Ramesh** et al.; ExxonMobil Research and Engineering Company, 1545 Route 22 East, P.O. Box 900, Annandale, NJ 08801-0900 (US).

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(54) Title: ADVANCED EROSION-CORROSION RESISTANT BORIDE CERMETS

(57) Abstract: A cermet composition represented by the formula *(PQ)(RS)* comprising : a ceramic phase *(PQ)* and binder phase *(RS)* wherein, *P* is at least one metal selected from the group consisting of Group IV, Group V, Group VI elements, *Q* is boride, *R* is selected from the group consisting of Fe, Ni, Co, Mn and mixtures thereof, *S* comprises at least one element selected from Cr, Al, Si and Y.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C22C29/14 B22F7/00

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)
IPC 7 C22C B22F

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, PAJ, WPI Data, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 077 270 A (PRAXAIR TECHNOLOGY INC) 21 February 2001 (2001-02-21) the whole document	1-23
X	RALF RIEDEL (EDITOR): "Handbook of Ceramic Hard Materials" 2000, WILEY-VCH , GERMANY , XP002303272 page 897 - page 945	1-23
X	US 5 837 327 A (STAVROS ANTONY JOHN ET AL) 17 November 1998 (1998-11-17) the whole document	1-23

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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
29 October 2004	17/11/2004

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Swiatek, R

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 13, 30 November 1999 (1999-11-30) -& JP 11 209841 A (MITSUBISHI HEAVY IND LTD), 3 August 1999 (1999-08-03) abstract	1
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