(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(10) International Publication Number WO 2009/067163 A3

(43) International Publication Date 28 May 2009 (28.05.2009)

(51) International Patent Classification: **B01J 35/04** (2006.01) F01N 3/035 (2006.01)

(21) International Application Number:

PCT/US2008/012769

(22) International Filing Date:

14 November 2008 (14.11.2008)

(25) Filing Language:

English

(26) Publication Language:

English

US

(30) Priority Data:

61/003,749 20 November 2007 (20.11.2007)

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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, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- **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).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
- (88) Date of publication of the international search report:

18 March 2010

(54) Title: WASHCOAT LOADED POROUS CERAMICS WITH LOW BACKPRESSURE

FIG. 1 5.00 4.50 4,00 3,50 delta P at 210cfm (kPa) 3,00 2.50 2,00 1,50 1.00 0.50 0,00 100 120 Washcoat loading (g/L)

(57) Abstract: Disclosed are washcoated ceramic honeycomb filters. The ceramic filters exhibit a relatively high level of washcoat loading while exhibiting minimized levels of backpressure. Also disclosed are methods for manufacturing the washcoated ceramic honeycomb filters. The method comprises providing an cell geometry derived from a predetermined level of washcoat loading to be applied to the ceramic honeycomb article.





INTERNATIONAL SEARCH REPORT

International application No PCT/US2008/012769

a. classification of subject matter INV. B01J35/04 F01N3/035

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) $B01J \quad B01D \quad F01N$

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, WPI Data

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X	EP 1 837 494 A2 (NGK INSULATORS LTD [JP]) 26 September 2007 (2007-09-26) paragraph [0065]	1-20
X	EP 1 475 151 A1 (ICT CO LTD [JP]; INT CATALYST TECHNOLOGY INC [US]) 10 November 2004 (2004-11-10) example 3 Control 2-4	1,4-10
X	US 2007/077190 A1 (OHNO KAZUSHIGE [JP]) 5 April 2007 (2007-04-05) table 5 paragraph [0070] - paragraph [0073]	1-4,6,9

X Further documents are listed in the continuation of Box C.	X See patent family annex.
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Date of the actual completion of the international search	Date of mailing of the international search report
19 January 2010	26/01/2010
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, Fax: (+31-70) 340-3016	Zuurdeeg, Boudewijn

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2008/012769

C/Continue	PCT/US2008/012/69				
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