

A. CLASSIFICATION OF SUBJECT MATTER***B01D 39/20(2006.01)i, B01D 39/00(2006.01)i***

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 C02F 1/28,B01D 39/06, 53/04, C01B 17/00

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 practicable, search terms used)

eKIPASS(KIPO internal) "systems, methods, fluid, filter, porosity, ash particles, fluidized bed"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 05750026 A (Corning Incorporated) 01 May. 1998 See abstract, columns 1~15, claims 1~12.	1,2,6,7,9~16,18,21~2 3,31,32
Y		3~5,8,17,19,24~29,33, 34
Y	JP 2001526581 A (MINNESOTA MINING & MFG) 18 Dec. 2001 See abstract, pages 1~13, and claims 1~21.	3~5,8,24~29
Y	US 05658372 A (Corning Incorporated) 19 Aug. 1997 See abstract, columns 1~13, claims 1~6.	17,19,33,34
X	US 04973459 A (Westinghouse Electric Corp.) 27 Nov. 1990 See abstract, columns 1~7, claims 1~6.	30

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

19 FEBRUARY 2009 (19.02.2009)

Date of mailing of the international search report

19 FEBRUARY 2009 (19.02.2009)

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2008/071793

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 05750026 A	12.05.1998	DE 69629979 D1	23.10.2003
		DE 69629979 T2	29.07.2004
		EP 0745416 A2	04.12.1996
		EP 0745416 B1	17.09.2003
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		EP 0745416 A3	13.08.1997
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		JP 8332330 A	17.12.1996
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US 05658372 A	19.08.1997	None	
US 04973459 A	27.11.1990	None	