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(54) **Circulating fluid-bed combustion apparatus.**

(57) A circulating fluid-bed combustion apparatus comprises a fluid-bed combustion chamber (1) for combusting solid fuels, a separator (2) for separating particles accompanying combustion gases, a conduit (5) for taking out particles, which is arranged at the bottom of the fluid-bed combustion apparatus, a pulverizer (6) for pulverizing particles introduced from the conduit for taking out particles and a conduit (8) for returning particles to the fluid-bed combustion chamber.

The combustion apparatus can have a classifier (7) before the pulverizer.

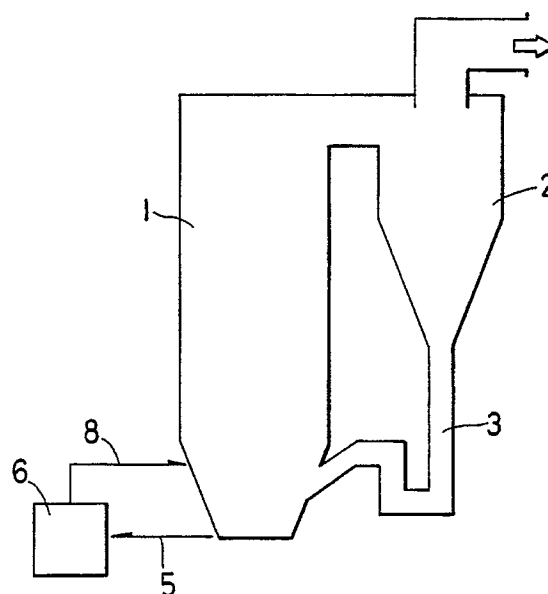


Fig. 1

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EUROPEAN SEARCH REPORT

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EP 91 10 0585

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	US-A-4 329 324 (JONES) * column 3, line 64 - column 4, line 45 *** column 4, line 55 - column 5, line 51; figure 1 ** - - -	1,2	F 23 C 11/02
X	DE-A-3 634 948 (ASEA STAL AB) * column 6, lines 18 - 33 *** column 7, lines 16 - 32; figure 1 ** - - -	1,2	
Y	PATENT ABSTRACTS OF JAPAN vol. 12, no. 289 (M-728)(3136) 28 August 1988 & JP-A-63 065 208 (ISHIKAWAJIMA HARIMA HEAVY IND) 23 March 1988 * abstract ** - - -	4,5	
Y	DE-C-3 702 089 (JUELICH) * column 3, line 59 - column 4, line 13; figure 1 ** - - -	4,5	
A	GB-A-2 030 688 (FOSTER WHEELER) * page 2, lines 16 - 30, 95 -110 *** figure 1 ** - - -	4,5	
A	US-A-4 776 288 (BEISSWENGER) * column 4, lines 5 - 21; figure 1 ** - - -	4	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
P,A	WO-A-9 012 246 (SAARBERGWERKE) * page 9, line 33 - page 10, line 27; figure 1 ** - - - - -	4	F 23 C
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of search 23 October 91	Examiner PHOA Y.E.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			