11 Publication number:

0 211 117 Δ3

(12)

EUROPEAN PATENT APPLICATION

21 Application number: 85305506.9

(51) Int. Cl.4: **B02C 19/06**, B04C 5/02

2 Date of filing: 02.08.85

Date of publication of application:25.02.87 Bulletin 87/09

Designated Contracting States:
AT BE CH DE FR GB IT LI LU NL SE

Date of deferred publication of the search report:

03.02.88 Bulletin 88/05

Applicant: RMD INDUSTRIES, INC. 2764 Gresham Avenue North Oakdale Minnesota 55119(US)

Inventor: Dunbar, Richard M 2764 Gresham Avenue North Oakdale Minnesota 55119(US)

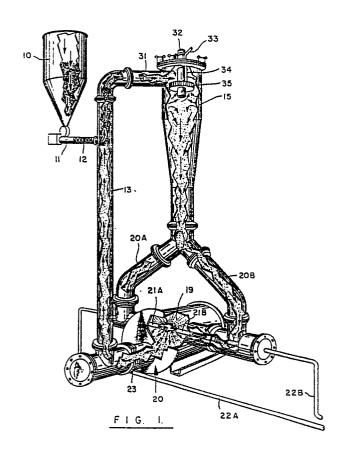
Representative: Parr, Ronald Edward R.E. Parr & Co.
Colman House Station Road
Knowle Solihull West Midlands B93 0HL(GB)

64 Method and apparatus for providing finely divided powder.

These combinations control and regulate miximum particle size, average particle size and the mix of gas and solids in process.

The feedstock enters the classifier chamber (15) by auger (12) or similar manner as long as the feeder maintains a positive seal. The classifier chamber (15) separates the feedstock by size and particles of a predetermined size exit (32) the system in a specific ratio of gas and solids. The feedstock larger than specified exit the base of the classifier (15), split into two equal streams (20A, 20B) and accelerate thru the pulverizer (19). The reduced feedstock exits (13) the pulverizer (19), mixes with incocming feedstock (10) and again enters the classifier (15).

The system is controlled using pressure, temperature, feedrate or any combination of the three. Other control methods can be used if any one of the three are part of the control circuit.





EUROPEAN SEARCH REPORT

85 30 5506

Category	Citation of document with indi of relevant pass		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
Y	US-A-3 885 931 (SCH/ * Page 1, abstract; (column 2, lines	1,8	B 02 C 19/06 B 04 C 5/02
Α	40-55; column 6, line	es 11-35 *	2,4,11	D 04 C 3/02
Y	US-A-4 019 688 (AKUN * Page 1, abstract; 6 4-65; column 4, lines	column 3, lines	1,8	
A		5 1-21 ··	5,7,10, 12	
Y	US-A-2 624 516 (ANDF * Column 2, lines 1-2 55-75; column 4, line	20; column 3, lines	1,8	
A	Tille	1 10	5-7,10, 12	
A,D	US-A-2 636 688 (SING	SH)		
A,D	US-A-3 186 648 (MANE	OLE)		
	US-A-4 538 764 (DUNE * Columns 1-6 *	BAR)	1-12	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
		•		B 02 C B 04 C
			1	
	71.00	and the second s		
	The present search report has been			
Place of search Date of completion of the search			Examiner	
THE HAGUE 26-11-1987		26-11-1987	VERD	ONCK J.C.M.J.

- : particularly relevant if combined document of the same category
 A: technological background
 O: non-written disclosure
 P: intermediate document

- D: document cited in the application L: document cited for other reasons
- &: member of the same patent family, corresponding document