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EUROPEAN PATENT APPLICATION

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Bulletin 80/22

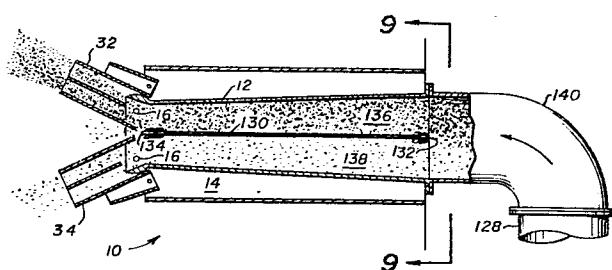
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⑯ Low load coal bracket and method of operating a pulverised coal-fired furnace.

⑯ An improved fuel-air admission assembly incorporating a split coal bucket (30) which permits a pulverized coal-fired furnace to be operated at low loads without the use of auxiliary fuel to provide stabilization. The split coal bucket (30) comprises an upper and a lower coal nozzle (32, 34) pivotally mounted to the coal delivery pipe, the upper and lower coal nozzles (32, 34) being independently tiltable. When the furnace is operating at low loads, the primary air and pulverized coal stream discharging from the coal delivery pipe (12) is split into a first and a second coal-air stream and independently directed into the furnace by tilting at least one of the nozzles (32, 34) away from the longitudinal axis of the coal delivery pipe (12), thereby establishing an ignition stabilizing pocket in the locally low pressure zone (70) created between the spread apart coalair streams.



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EUROPEAN SEARCH REPORT

0017721
Application number

EP 80 10 0740

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
	<p><u>US - A - 2 608 168</u> (JACKSON)</p> <p>* Column 1, lines 43-48; column 4, line 73 - column 5, line 74; figures 3,6 *</p> <p>---</p> <p><u>US - A - 3 224 419</u> (LOWENSTEIN)</p> <p>* Column 4, lines 17-59; claim 1; figures 2,4 *</p> <p>---</p> <p><u>DE - C - 913 092</u> (WASS)</p> <p>* Page 1, line 28 - page 2, line 4; page 2, lines 103-118; figures 1,3 *</p> <p>-----</p>	1-3, 5,9 1,2,5 9 1	F 23 D 1/00
			TECHNICAL FIELDS SEARCHED (Int.Cl. 3)
			F 23 D F 23 G
			CATEGORY OF CITED DOCUMENTS
			X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons
			&: member of the same patent family, corresponding document
	The present search report has been drawn up for all claims		
Place of search	Date of completion of the search	Examiner	
The Hague	16-09-1980	BURKHART	