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(54) Tumble drying machines.

(57) In a tumble dryer machine, a motor (7) which drives the drum (5) and circulating fan (6) continues to operate at the end of a drying cycle, but with the air heater (4) cut-out, until the exhaust air temperature sensed at (16) reduces to a predetermined level. The time during which the heater (4) is in operation can thus be reduced. A heat exchanger (2) serves to preheat the incoming air with the exhaust air.

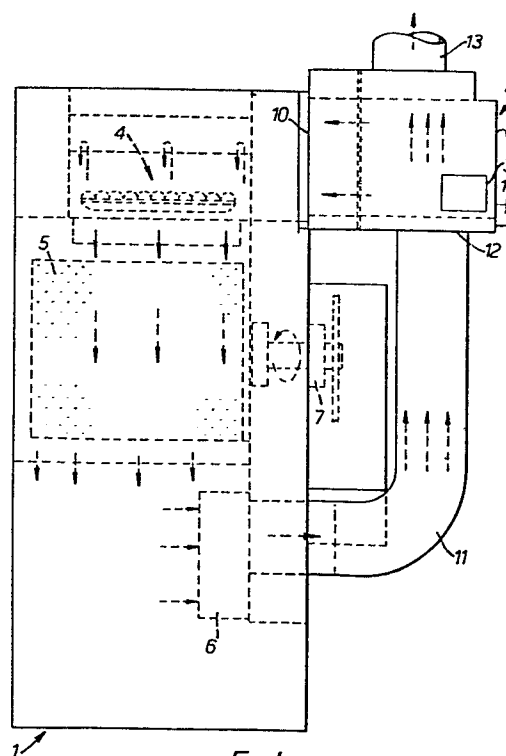


Fig. 1.

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EP 81 30 4529.1

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	
A	<u>US - A - 3 969 070</u> (THOMPSON) * fig. 3 *	1,2	D 06 F 58/28
A	<u>US - A - 3 959 892</u> (CLOUD et al.)		
A	<u>US - A - 3 882 613</u> (WILSON) * fig. 2 *	1	
A	<u>US - A - 4 065 253</u> (BULLOCK)		TECHNICAL FIELDS SEARCHED (Int.Cl. ³)
A	<u>US - A - 3 859 735</u> (KATTERJOHN, JR.).		
A	<u>GB - A - 1 470 163</u> (DOMESTIC APPLIANCES LTD.)		D 06 F 58/00
			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
X The present search report has been drawn up for all claims			
Place of search Berlin		Date of completion of the search 22-02-1982	Examiner KLITSCH