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(54) **Combing machine with variable speed circular comb**

(57) A combing machine envisages, between a motor (21) and a circular comb (20), a transmission device (30) having in input a motor shaft (36) with angular input speed (W_{in}) and in output a driven shaft (19) with angular output speed (W_{out}), engaged with the circular comb (20). The ratio (R) between the angular output speed

(W_{out}) and the angular input speed (W_{in}) being defined, said ratio is variable depending on the angular position (α) of the circular comb and is between 1.55 and 0.45. In particular the ratio (R) depending on the angular position (α) is defined by the graph shown in figure 7.

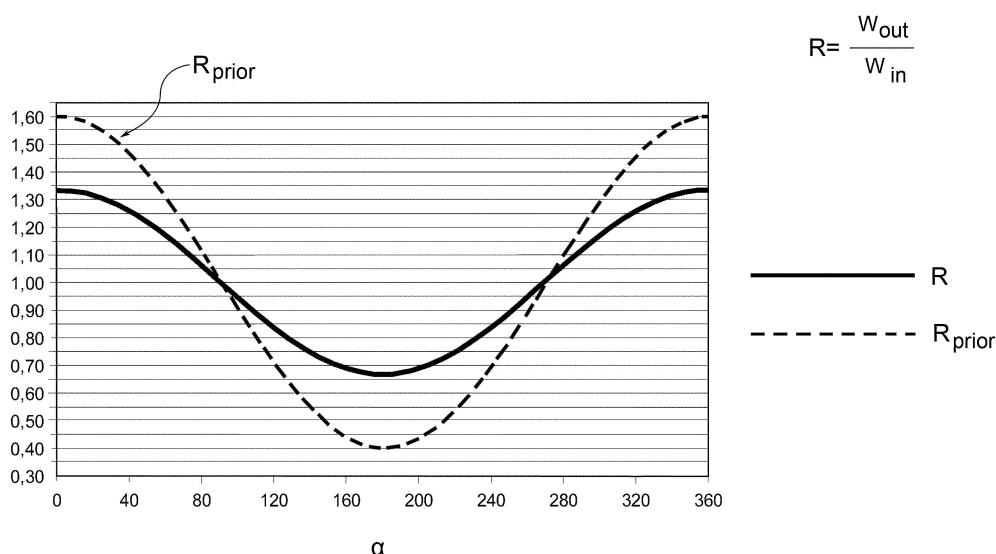


Fig. 7

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EUROPEAN SEARCH REPORT

Application Number
EP 12 18 3006

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X,D	WO 2011/073942 A1 (MARZOLI COMBING & FLYER S P A [IT]; TORCOLI ROBERTO [IT]; PRANDINI GIR) 23 June 2011 (2011-06-23) * claim 1; figures 1,9,10 * -----	1-10	INV. D01G19/10 D01G19/16
			TECHNICAL FIELDS SEARCHED (IPC)
			D01G
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 11 March 2014	Examiner Dupuis, Jean-Luc
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			

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