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(54) **Improvements in apparatus for coating sheet material.**

(57) A process for coating sheet material (6) at high speed with a low viscosity low coat weight coating comprising the steps of forming, on an endless transfer surface (1), a fluid film of a coating mix to be applied to the sheet material whilst moving the endless transfer surface (1) on a convex path through a coating station, and in the second direction of movement of the transfer surface, and simultaneously passing the sheet material (6) to be coated around an endless guide surface (7) at said coating station, whilst maintaining the spacing between the transfer (1) and guide surfaces (7) at a spacing substantially equivalent to the combined thickness of the sheet material and the film of coating mix on the transfer surface (1).

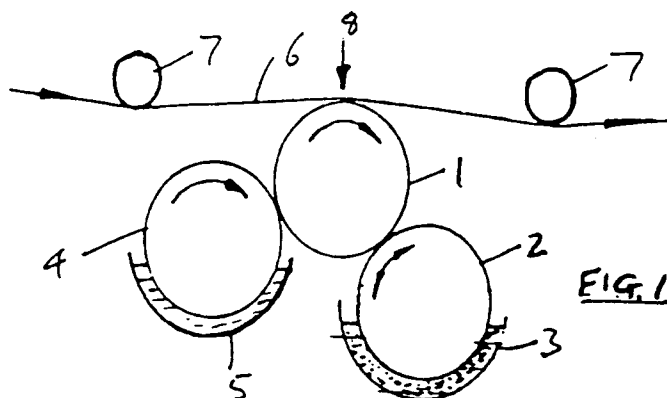


FIG. 1.



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 91 30 3546

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	SOVIET INVENTIONS ILLUSTRATED week c37, 22 october 1980 no h9799 derwent publications ltd, london gb & SU-A-712139(LENGD ABRASIVE) 24 JULY 1978 ---	1,2,5,7, 8	B05C1/08 B05D1/34
A	EP-A-0 037 682 (THE WIGGINS TEAPE GROUP LIMITED) * the whole document *	1-5,7-9	
D,A	GB-A-1 151 690 (APPLETON COATED PAPER COMPANY) * figure 3 *	6	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B05C D21H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11 NOVEMBER 1991	Examiner JUGUET J.M.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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