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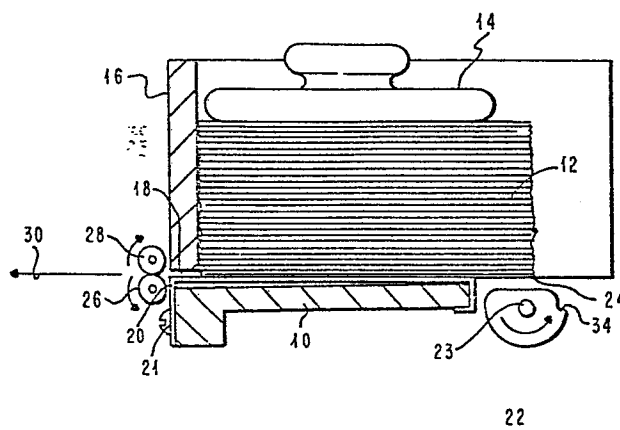
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54 **Document separator wheel and document hopper using the same.**

57 A wheel (22) for reliable separation of the bottommost document in a stack (12) of such documents is formed of low friction material having formed therein a groove (34) of material of a high friction material so that rotation of the wheel (22) causes the groove (34) to engage an edge of the lowermost document in the stack (12) urging it toward an adjustable width throat (18) so that only a single document can pass therethrough, continued rotation of the wheel (22) allowing the document edge to snap over the high friction portion without resulting damage.





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EUROPEAN SEARCH REPORT

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Application number

EP 85 11 1090

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.4)
Y	DE-A-2 349 097 (SIEMENS AG) * figure 1; page 5, paragraph 1 *	1,4	B 65 H 3/06 B 65 H 3/24
Y	DE-A-3 400 599 (MUSASHI ENGINEERING K.K.) * figure 2; claim 1; page 6, lines 10-14 *	1,4	
A		2,3	
A	DE-A-2 556 853 (XEROX CORP.) * page 5, paragraph 2 *	4,5	
A	US-A-4 443 006 (K. HASEGAWA)		
A	GB-A-2 132 737 (TOKYO SHIBAURA DENKI et al.)		
A	DE-A-2 844 048 (FEINWERKTECHNIK SCHLEICHER & CO.)		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.4) B 65 H 3/00 B 65 H 1/00
Place of search BERLIN		Date of completion of the search 20-10-1987	Examiner GROETZINGER
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			