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Adjusting device for dimensionally adjusting a gap between a platen and a print head assembly and printer using the adjusting device.

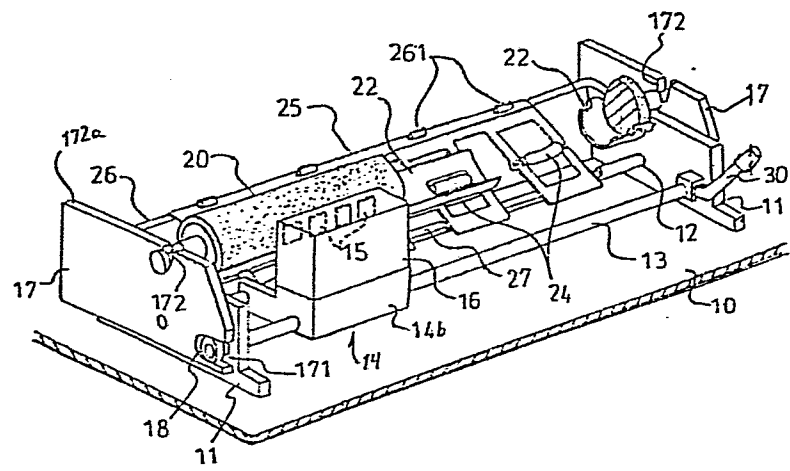
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An adjusting device for an impact printer includes a printing mechanism (16) with printing heads (15) movably mounted on parallel guide shafts (12,13). A pair of separated side frames (17) are pivotally coupled to one of the guide shafts (12) and are connected through a cam (18) to the other guide shaft (13) so that the side frames (17) are pivotal about the one guide shaft (12) in response to rotation of the other guide shaft (13). The platen (20), which is journally mounted to the side frames (17), thus moves towards or away from the printing heads (15) as the side frames (17) are pivoted thereby dimensionally adjusting the gap (d) between the platen (20) and the printing heads (15) to compensate for varying thicknesses of printing sheets on the platen (20), for example. The adjusting device is suited for use in a printer in which printing heads (15) are hammered to print upon a printing sheet fed along a cylindrical surface of a platen (20).

EP 0 143 467 A3

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FIG. 1





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EUROPEAN SEARCH REPORT

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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	PATENTS ABSTRACTS OF JAPAN, Vol. 7, No. 47, (M-196) (1192), February 24, 1983. & JP-A-57 195 678 (RICOH K.K.) (01-12-1982) * Whole abstract *	1,2,4, 5,7	B 41 J 11/20
Y	PATENTS ABSTRACTS OF JAPAN, Vol. 5, No. 61, (M-65) (733), April 24, 1981. & JP-A-56 15 379 (RICOH K.K.) (14-02-1981) * Whole abstract *	1,2,4, 5,7	
A		3	TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
A	US-A-4 341 477 (R. THEILEN) * Whole document *	3,6	B 41 J
A	US-A-3 666 071 (H. PURR)		
A	DE-A-2 500 418 (VEB KOMBINAT ZENTRONIK)		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27-02-1985	Examiner VAN DEN MEERSCHAUT
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			