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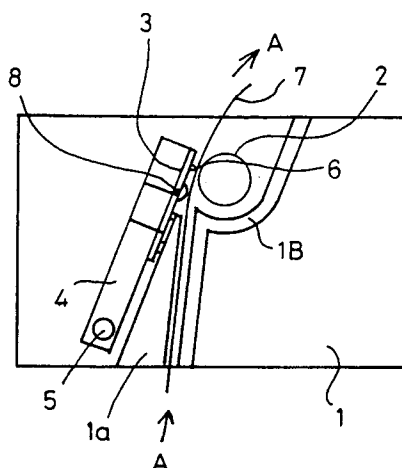
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**D-81479 München (DE)**(54) **Printing apparatus having a printing paper detection device.**

(57) This invention is to obtain a high precision printing apparatus with smaller number of parts, which can detect the existence of the recording paper. For this purpose, this invention provides a high precision and less-expensive printing apparatus which fewer parts than in prior art, in no relation to the passing route of recording paper by way of assembly of the sensor which detects the existence of the recording paper directly onto the thermal head holder or the line thermal head board.

**FIG. 1****EP 0 631 879 A3**



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## EUROPEAN SEARCH REPORT

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EP 94 11 0030

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.6)
X	PATENT ABSTRACTS OF JAPAN vol. 010 no. 018 (M-448) ,24 January 1986 & JP-A-60 176789 (TOSHIBA KK) 10 September 1985, * abstract *	1,2	B41J29/48
X	--- PATENT ABSTRACTS OF JAPAN vol. 007 no. 169 (M-231) ,26 July 1958 & JP-A-58 074381 (CANON KK) 4 May 1983, * abstract *	1	
X	--- PATENT ABSTRACTS OF JAPAN vol. 013 no. 258 (M-838) ,15 June 1989 & JP-A-01 063161 (NEC CORP) 9 March 1989, * abstract *	1	
X	--- PATENT ABSTRACTS OF JAPAN vol. 005 no. 151 (M-089) ,24 September 1981 & JP-A-56 080481 (SHINKO ELECTRIC CO LTD) 1 July 1981, * abstract *	1	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
X	--- PATENT ABSTRACTS OF JAPAN vol. 11 no. 225 (M-609) [2672] ,22 July 1987 & JP-A-62 041077 (TOKYO ELECTRIC CO LTD) 23 February 1987, * abstract *	1	B41J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 29 May 1995	Examiner Meulemans, J-P
<b>CATEGORY OF CITED DOCUMENTS</b> 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			