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EUROPEAN PATENT APPLICATION

②① Application number: **84109471.7**

⑤① Int. Cl.⁴: **B 41 J 3/20**

②② Date of filing: **09.08.84**

③① Priority: **10.08.83 JP 146947/83**

④③ Date of publication of application: **13.03.85**
Bulletin 85/11

⑧④ Designated Contracting States: **DE FR GB IT**

⑧⑧ Date of deferred publication of search
report: **17.07.85 Bulletin 85/29**

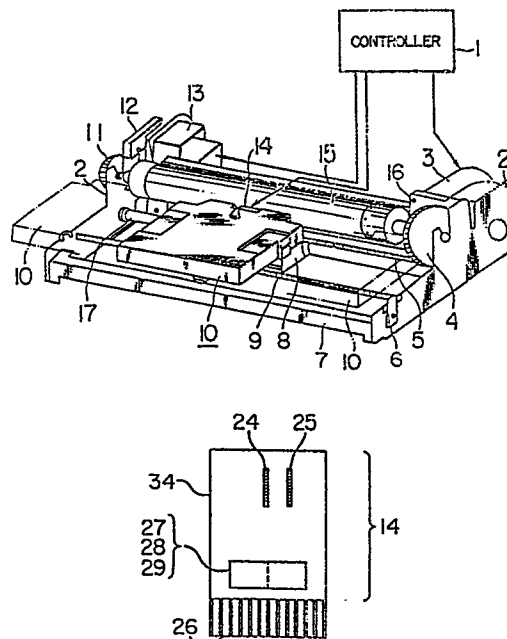
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⑤④ **Thermal printer.**

⑤⑦ A thermal printer having a reciprocating carriage (8), a thermal print head (14) provided on the carriage, a controller (1) for controlling the movement of the carriage and the printing operation of the print head, a ribbon cassette (10) mounted on the carriage, an inked ribbon (21) coiled within the ribbon cassette, a carriage drive motor (3) and drive belt (5) for reciprocating the carriage, and an inked ribbon take-up mechanism for taking up the inked ribbon in one direction by the reciprocative movement of the carriage, wherein the thermal print head is provided with a plurality of thermal element arrays (24, 25) having different pitches of thermal elements or different sizes of thermal elements.



EP 0 134 022 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			EP 84109471.7
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	EP - A2 - 0 072 494 (MITANI ELECTRONICS IND. CORP.) * Totality * --	1-3	B 41 J 3/20
A	US - A - 4 134 696 (HANAKATA) * Totality * --	1	
P,A	DE - A1 - 3 315 257 (CANON) * Fig. 5,6 * ----	1,3	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 41 J G 01 D G 06 K
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 19-04-1985	Examiner WITTMANN
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	