(1) Publication number:

0 126 203

A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 84100625.7

(22) Date of filing: 20.01.84

(51) Int. Cl.⁴: **B 41 J 3/20** B 41 J 33/388

30 Priority: 21.01.83 JP 8892/83

(43) Date of publication of application: 28.11.84 Bulletin 84/48

(88) Date of deferred publication of search report: 31.07.85

(84) Designated Contracting States: DE FR GB IT

(71) Applicant: HITACHI, LTD. 6, Kanda Surugadai 4-chome Chiyoda-ku Tokyo 100(JP)

(72) Inventor: Seki, Gen 42-2, Sakatocho Mito-shi(JP)

(72) Inventor: Tokunaga, Takeshi 3-18, Kokubuncho-2-chome Hitachi-shi(JP)

(72) Inventor: Kawakami, Tohei 15-1, Mihama Urayasu-shi(JP)

72 Inventor: Yokoyama, Syozi 2374-19, Okubocho Hitachi-shi(JP)

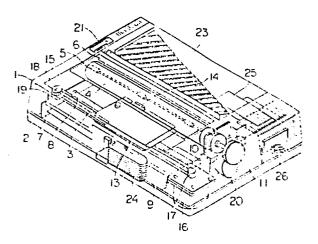
(72) Inventor: Suzuki, Syozo 12-15, Suehirocho-3-chome Hitachi-shi(JP)

(74) Representative: Altenburg, Udo, Dipl.-Phys. et al, Patent- und Rechtsanwälte Bardehle-Pagenberg-Dost-Altenburg & Partner Postfach 86 06 20 D-8000 München 86(DE)

(54) Heat transfer ribbon feeding device for a printer.

(57) A printer has a carriage (12) adapted to be moved reciprocatingly, a thermal head (14) mounted on the carriage, a heat transfer film (50) on the carriage, a driving belt (15) for reciprocatingly driving the carriage, two pulleys (17,18) between which the driving belt is stretched, a motor (20) for driving said belt, and a film roll-up mechanism for rolling up the film after use. The carriage is fixed to the driving belt at one side of a line interconnecting the pulleys while the film roll-up mechanism has rollers which pinches therebetween the portion of the belt at the other side of the line. With this arrangement, it is possible to roll up the used heat transfer film by making an efficient use of the movement of the carriage.

FIG. I





EUROPEAN SEARCH REPORT

EP 84 10 0625

	DOCUMENTS CONS	IDERED TO BE RELEVAN	T	
Category		n indication, where appropriate, ant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
А	US-A-3 855 448 * Column 3, 1: line 26; figure:	ine 66 - column 7,	1	B 41 J 3/20 B 41 J 33/38
	·- ·	- w w		
			-	
				TECHNICAL FIELDS SEARCHED (Int. Ci. ²)
				B 41 J
	The present search report has b	peen drawn up for all claims	1	
		Date of completion of the search 22-03-1985	VAN	Examiner DEN MEERSCHAUT G
ac	CATEGORY OF CITED DOCU	E : earlier pat	orinciple unden	erlying the invention nt, but published on, or
0 : no	chnological background on-written disclosure termediate document	&: member o document	f the same pa	atent family, corresponding