(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) EP 0 659 574 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
03.04.1996 Bulletin 1996/14

(43) Date of publication A2:
28.06.1995 Bulletin 1995/26

(21) Application number: **94309820.2**

(22) Date of filing: **23.12.1994**

(51) Int Cl.[6]: **B41J 25/304**, B41J 11/20, B41J 25/316, B41J 2/155

(84) Designated Contracting States:
FR IT

(30) Priority: **27.12.1993 JP 333587/93**

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(54) Printer

(57) In a line printer, a rotation shaft (9) of a platen (2) is utilized as a fulcrum of a head-up lever (4). The head-up lever (4) and a bearingof the platen (2) are made in an integral form. As a result, the total number of parts of the line printer can be reduced and total number of assembling steps can also be reduced. Positioning of a print head (3) with respect to the platen (2) is achieved by establishing a precise engagement between a first pin (20) integrally formed on the edge portion of the print head (3) and a first guide groove (18) formed on a side wall (7,8) of a frame. As a consequence, the correct positioning of the print head can be performed with respect to the platen (2). On the other hand, a second pin (21) of the print head is journalled under a floating condition by a scond guide groove (19) of the side (7,8) wall of the frame (1). This second pin (21) functions as a free fulcrum when the pressure contact of the print head (3) is released. As described above, play is formed at the free fulcrum of the head-up lever, so that distortion of parts and machining tolerance can be accommodated. Since the energizing force given to the print head (3) is performed by employing only one elastic member (14) around a centre of the platen (2) in the lengthwise direction, a so-called floating effect may be produced and eccentric abutting of the print head (3) and platen (2) can be avoided. The print head (3) is detachably assembled to the frame (1). The assembled print head (3) is held by a rear plate (12) which is similarly detachably engaged with the frame (1). The elastic member (14) is integrally assembled into the print head (2) together with the lock lever (17). As a result, the print head (3) can be simply assembled and can be easily replaced. Since the lock lever (17) is provided in order that the rear plate (12) is not easily accidentally removed, it is more possible that the print head is prevented from being dismounted when this is not desired.

EP 0 659 574 A3

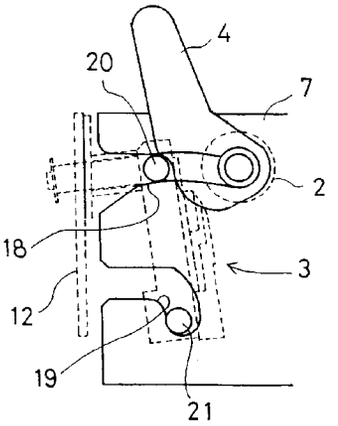

FIG. 5B

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EUROPEAN SEARCH REPORT

Application Number
EP 94 30 9820

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	EP-A-0 392 213 (SHARP KABUSHIKI KAISHA) * column 1, line 15 - line 46; figure 6 * ---	2	B41J25/304 B41J11/20 B41J25/316
A	PATENT ABSTRACTS OF JAPAN vol. 15 no. 432 (M-1175) ,5 November 1991 & JP-A-03 182377 (SEIKO INSTR INC) 8 August 1991, * abstract * ---	1,2,4,8	B41J2/155
A	PATENT ABSTRACTS OF JAPAN vol. 10 no. 130 (M-478) ,14 May 1986 & JP-A-60 255469 (MITSUBISHI DENKI KK) 17 December 1985, * abstract * ---	1,2,4,8	
A	EP-A-0 463 595 (SEIKO EPSON CORPORATION) * column 6, line 49 - column 7, line 27; figures 3-5 * -----	1,2,4,8	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6) B41J

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
BERLIN	26 January 1996	Ducreau, F

CATEGORY OF CITED DOCUMENTS

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