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(54) **Recording apparatus.**

(57) A recording apparatus includes a recording head (1) for effecting an recording operation on a recording material while it is being moved; a plurality of detectors for detecting plural conditions of the apparatus; a controller for effecting the recording operation in accordance with the conditions detected by the detectors; the plurality of detectors includes a detecting element (11) movable together with the recording head (1) and a plurality of members (30,31,32c) to be detected corresponding to the conditions of the apparatus and disposed along a movement path of the detecting element (11).

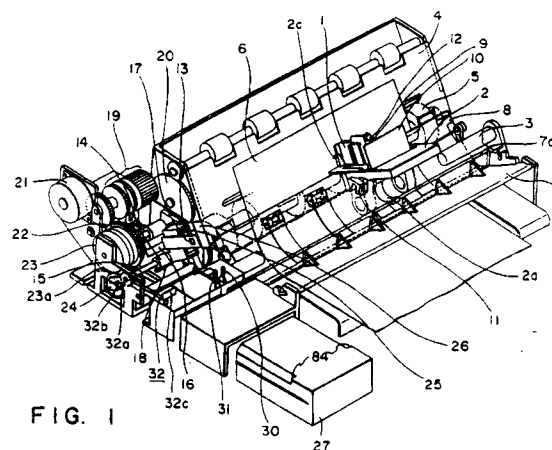


FIG. 1

EP 0 452 585 A3



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. 8)	
A	DE-A-2263467 (OLYMPIA WERKE) * figures 1,2 *	1,3	B41J21/16 B41J2/165 B41J2/175	
A	DE-A-2705282 (OLYMPIA WERKE) * figure *	1,4		
A	PATENT ABSTRACTS OF JAPAN vol. 9, no. 63 (M-365) (1786), 20 March 1985; & JP-A-59196282 (TOKYO DENKI K.K.) 07.11.1984 * the whole document *	1,3		
A	DE-A-3723954 (ALPS ELECTRIC CO.) * figure 1 *	5,11	TECHNICAL FIELDS SEARCHED (Int. Cl. 8) B41J	
P,A	EP-A-375407 (CANON K.K.) * figure 42 B *	5,11		
E	EP-A-423475 (CANON K.K.) * figures 2,3 *	5,11		
A	US-A-4709247 (M.J. PIATT et al.) * figures 4A-9B *	8-10		
E	EP-A-412459 (CANON K.K.) * figures 2-5,10,19A,21,30A,32A *	8-10		
A	PATENT ABSTRACTS OF JAPAN vol. 12, no. 131 (M-688) (2978), 22 April 1988; & JP-A-62255151 (CANON INC.) 06.11.1987	9,10		
A	PATENT ABSTRACTS OF JAPAN vol. 13, no. 380 (M-863) (3728), 23 August 1989; & JP-A-1133750 (SEIKO EPSON CORP.) 25.05.1989	9,10		
all				
The present search report has been drawn up for ... claims				
Place of search BERLIN		Date of completion of the search 02.12.1991		Examiner ZOPF, K.
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				



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions,

namely:

1. claims 1-4
Recording apparatus
2. claims 5-7,11
Recording apparatus having provision for an operation other than feeding recording material
3. claims 8-10
Detachably mountable elements

- All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims: