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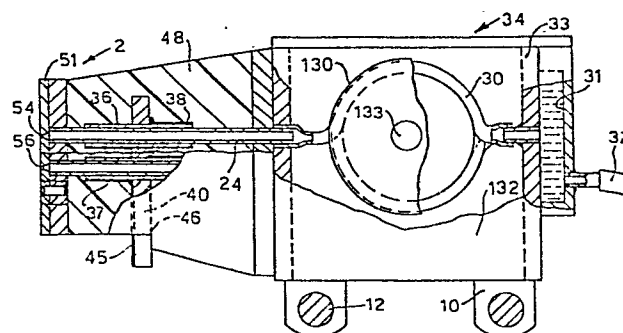
88 Date of deferred publication of search report: **01.10.86 Bulletin 86/40**

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54 **Ink jet dot printing head.**

57 The head comprises a tube (24) for ejecting ink through a nozzle (54), when a transducer (36) is operated. The tube (24) is connected to an ink reservoir (31) by a flexible tube (30), which is longer than the distance between the tube (24) and the reservoir (31). The tube (30) is wound on a drum (130) in an arrangement which optimises the utilisation of space by the tube (30).

When the head comprises more than one ink ejecting tube (24), each having a respective, ink conducting tube (30), each tube may be wound around the drum (130) for one and a half turns between diametrically opposite positions on the circumference of the drum, so that each half turn of the drum left free by one tube (30) is occupied by the first half turn of an adjacent tube (30). This arrangement minimises the axial length of the drum occupied by the tubes (30).





European Patent
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EUROPEAN SEARCH REPORT

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EP 86 20 0146

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.4)
X	US-A-4 025 928 (HOU, BEASLEY, KONEVAL) * Figure 2; column 2, line 35 - column 3, line 48 *	1	B 41 J 3/04
A		3, 4, 5, 7	
X	--- PATENTS ABSTRACTS OF JAPAN, vol. 4, no. 179 (M-46)[661], 11th December 1980; & JP - A - 55 126 461 (CANON K.K.) 30-09-1980	1	
A	IDEM	3, 4, 7	
A	--- FR-A-2 325 510 (SIEMENS) * Figure 1; page 3, line 23 - page 4, line 18 *	6, 7	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
A	--- PATENTS ABSTRACTS OF JAPAN, vol. 5, no. 119 (M-81)[791], 31st July 1981; & JP - A - 56 60 259 (RICOH K.K.) 25-05-1981	6, 9	B 41 J G 01 D
A	--- US-A-4 032 929 (FISCHBECK, VERNON) * Figure 1; column 3, lines 1-15 *	5	
D, A	--- US-A-3 832 579 (ARNDT) -----	1	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23-06-1986	Examiner HERBELET J.C.
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			