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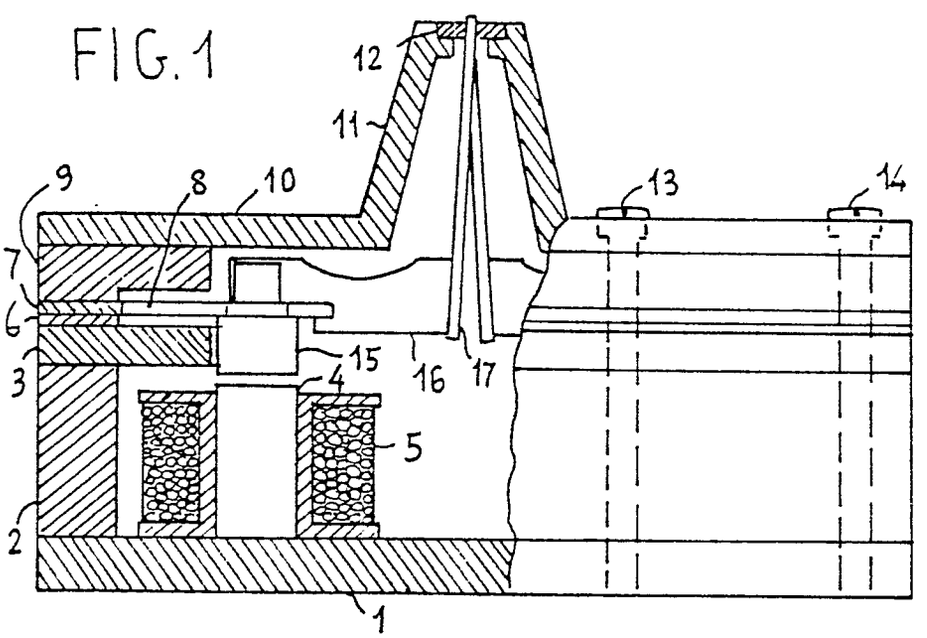
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(54) **Needle printing head.**

(57) A needle printing head, of the permanent magnet type where resilient armatures (8) are released owing to the energization of demagnetizing coils and where each of the armatures comprises a resilient magnetic leaf cantilever mounted, an actuation arm (16) extending beyond a free end of the leaf in form of a rigid plate arranged perpendicularly to the leaf plane and fixed to the leaf by means of a cogging groove into which the free end of the leaf is inserted and by welding of the contact surfaces of the two elements.

FIG. 1



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EUROPEAN SEARCH REPORT

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EP 86 11 6768

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)
Y	US-A-4 553 864 (M. HAYASHI) * Figures 2,4,5; column 3, lines 42-47 *	1	B 41 J 3/12
Y	JP-A-60 079 966 (M. YASUNAGA) (7th May 1985) * Figures 3-5 * & US-A-4 610 553 (9th September 1986) figures 2,6; column 4, lines 3-7 (Cat. P,Y)	1	
A	US-A-4 531 848 (R.C. SANDERS) * Figures 1,4; column 2, lines 37-53 *	1	
A	US-A-4 222 674 (M. MORI) * Figure 1; column 2, line 64 - column 3, line 4 *	1	
D,A	US-A-4 225 250 (R.E. WAGNER)		TECHNICAL FIELDS SEARCHED (Int Cl 4) B 41 J
A	FR-A-2 469 288 (IMPRESSION ENREGISTREMENT DES RESULTATS)		

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	14-07-1987	ROBERTS N.

CATEGORY OF CITED DOCUMENTS

- X particularly relevant if taken alone
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- A technological background
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