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71 Applicant: **HONEYWELL INFORMATION SYSTEMS**
ITALIA S.p.A.
Servizio Brevetti Honeywell
I-20010 Pregnana Milanese (MI)(IT)

72 Inventor: **Gaboardi, Angelo**
Via Giovanni XXIII
Pregnana Milanese 20010(IT)

54 **Mosaic printing head with cross-talk prevention means.**

57 A mosaic printing head with cross talk prevention means comprises a plurality of electromagnetic structure formed by magnetic circuits (39), each coupled to a coil (41) and closed by a movable armature (43), which at rest leave an air gap in the magnetic circuit.

The magnetic circuits are radially distributed on a supporting member, very closely together at least with a certain portion.

The flux leakage which occurs in these portions, due to the proximity of such portions, is avoided by using conductive non magnetic shields (42) partially surrounding such portions.

The shields dynamically limit flux leakage transients, i.e. during the attraction of the armature, due to the eddy currents induced by flux leakage.

The shields are designed in order to be coupled with flux leakages and not with the main flux in the magnetic circuit.

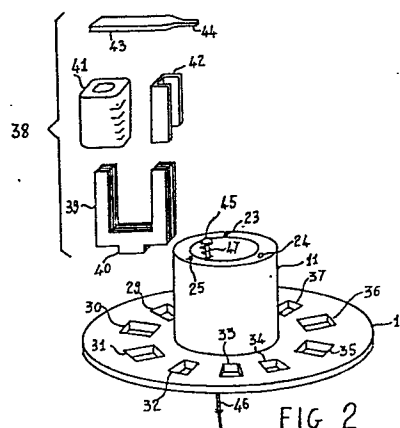


FIG 2



European Patent
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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
	No documents have been disclosed		B 41 J 3/10
			TECHNICAL FIELDS SEARCHED (Int.Cl. 3)
			B 41 J 3/00 G 06 K 15/00
			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
X	The present search report has been drawn up for all claims		
Place of search		Date of completion of the search	Examiner
VIENNA		27-04-1982	KIENAST