

Title (en)  
MOSAIC PRINTING HEAD WITH CROSS-TALK PREVENTION MEANS

Publication  
**EP 0041126 B1 19841205 (EN)**

Application  
**EP 81103083 A 19810424**

Priority  
IT 2181580 A 19800506

Abstract (en)  
[origin: EP0041126A2] 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.

IPC 1-7  
**B41J 3/10**

IPC 8 full level  
**B41J 2/275** (2006.01)

CPC (source: EP)  
**B41J 2/275** (2013.01)

Citation (examination)  
"Handbuch für Hochfrequenz- und Elektrotechniker" von C. Rint, Verlag für Radio-Foto-Kinotechnik GmbH, Berlin-Borsigwalde, Vol. 1, pages 406 and 407, edition 1965

Cited by  
US5011308A; US4929101A; EP0385047A1; US5080510A; DE4338655A1; DE4338655C2; US4976554A

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