

Title (en)

Mosaic printing head with cross-talk prevention means.

Title (de)

Mosaikdruckkopf mit Mitteln zur Verhinderung des Übersprechens.

Title (fr)

Tête d'impression à mosaïque avec installations pour la prévention de la diaphonie.

Publication

EP 0041126 A2 19811209 (EN)

Application

EP 81103083 A 19810424

Priority

IT 2181580 A 19800506

Abstract (en)

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.

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B41J 3/10

IPC 8 full level

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CPC (source: EP)

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Cited by

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