

Title (en)

NOZZLE PLACEMENT IN MONOLITHIC DROP-ON-DEMAND PRINT HEADS

Title (de)

ANORDNUNG DER DÜSEN IN MONOLITHISCHEN AUF ABRUF ARBEITENDEN DRUCKKÖPFEN

Title (fr)

PLACEMENT DES BUSES DANS LES TETES MONOLITHIQUES D'IMPRESSION FONCTIONNANT EN GOUTTE-A-LA-DEMANDE

Publication

EP 0772526 A2 19970514 (EN)

Application

EP 96911653 A 19960409

Priority

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- US 9604857 W 19960409

Abstract (en)

[origin: WO9632281A2] An improved print head construction for maintaining wafer strength along the line of nozzles at approximately 50 % of the normal wafer strength. This is achieved by dividing each row of nozzles into segments, and by displacing some of those segments (preferably every alternate segment) in the print direction. Displacement of the segment of nozzles is in the print direction so that the nozzles can still print the same pixels to the recording medium, simply by altering the time that the nozzles are provided with the particular information to be printed. The distance that the displaced segments are displaced is preferably slightly more than the width of the slot (or ink channel) in which the nozzles in the appropriate segment are formed.

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B41J 2/14; B41J 2/155

IPC 8 full level

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CPC (source: EP)

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