

Title (en)

Drop-on-Demand printhead with piezo bending transducers and driving method for the same

Title (de)

Piezobiegewandler Drop-on-Demand Druckkopf sowie Verfahren zu dessen Ansteuerung

Title (fr)

Tête d'impression à éjection de goutte à la demande utilisant des transducteurs piézo déformable en flexion, et sa méthode de commande

Publication

EP 1036660 B1 20020828 (DE)

Application

EP 00105211 A 20000313

Priority

DE 19911399 A 19990315

Abstract (en)

[origin: EP1036660A1] Print head has an inkjet plate with a row of jets each controlled by a piezo-bend transducer. During printing of an image each transducer receives an activation pulse according to the image to be printed. The adjacent piezo-bend transducer receives a compensation pulse to prevent interaction between the two. Independent claims are made for a piezo-bend transducer controller where in addition to an activation pulse being sent to the printing transducer a blocking pulse is sent to the adjacent transducer of a suitable duration and a printer drop on demand print head using the procedures for controlling it described above.

IPC 1-7

B41J 2/045

IPC 8 full level

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CPC (source: EP US)

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Citation (examination)

- EP 0553153 B1 19960424 - XAAR LTD [GB]
- JP H01271248 A 19891030 - SEIKO EPSON CORP

Cited by

EP1707362A3; EP1972450A3; US7625053B2

Designated contracting state (EPC)

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