

Title (en)

Nozzle drive control system and method for ink jet printing

Title (de)

Düsenantriebssteuerung und Tintenstrahldruckverfahren

Title (fr)

Système de commande de buses et procédé d'impression par jet d'encre

Publication

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Application

**EP 94202383 A 19900322**

Priority

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Abstract (en)

[origin: EP0390427A1] A drive control system is disclosed which automatically maintains nozzle drive voltage within a proper range. The control system monitors the state of the "intermediate satellites" positioned between ink drops used for printing. When these satellites are neither forward nor backward merging, a first cardinal point designated C(L) is identified. A second cardinal point, C(H), is determined when the drop breakoff point stops decreasing, relative to said nozzle, with increasing nozzle drive voltage. From the two cardinal values, a desired operating range for a particular ink can be computed and the control system automatically set. The computed value is essentially independent of temperature.

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