Title (en)

A method for increasing the reliability of an inkjet printing system

Title (de)

Verfahren zur Erhöhung der Zuverlässigkeit eines Tintenstrahldruckgeräts

Title (fr)

Procédé d'augmentation de la fiabilité d'une imprimante à jet d'encre

Publication

EP 1795356 A1 20070613 (EN)

Application

EP 05111567 A 20051201

Priority

EP 05111567 A 20051201

Abstract (en)

Based upon the analysis of print data for a printing element of an inkjet printhead, the printing element's actuating means are left inactive (not driven) if the print data does not require the printing element to eject an ink drop. Successive occurrences of such events provide a continuous period of inactivity for the printing element, i.e. a period of rest allowing the ink in the printing element and the printing element itself to recover from the excitations enforced by preceding drop ejection processes. Periods of inactivity of a printing element are interrupted at regular time intervals by driving the printing element's actuator with a precursor signal to prevent latency problems associated with inactive printing elements.

IPC 8 full level

B41J 2/165 (2006.01); **B41J 2/175** (2006.01)

CPC (source: EP)

B41J 2/0451 (2013.01); **B41J 2/04573** (2013.01); **B41J 2/0458** (2013.01); **B41J 2/04581** (2013.01); **B41J 2/165** (2013.01); **B41J 2/2139** (2013.01); **B41J 29/393** (2013.01)

Citation (applicant)

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Designated contracting state (EPC)

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Designated extension state (EPC)

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