

Title (en)

Method and device for creating ink drops with variable drop volume

Title (de)

Verfahren und Vorrichtung zur Erzeugung von Tintentropfen mit variablen Tropfenvolumen

Title (fr)

Procédé et dispositif destinés à la production de gouttes de colorant à volumes de gouttes variables

Publication

EP 1902843 B1 20090422 (DE)

Application

EP 07010746 A 20070531

Priority

DE 102006045060 A 20060921

Abstract (en)

[origin: EP1902843A1] The method involves combining freely selectable ink droplets (11, 12), following in succession, with each other during projecting the droplets by a discharge nozzle (6) up to a striking spot on a print substrate. The ink droplets are individually and/or selectively advanced or retarded into an electrode arrangement (50) by electrical fields caused in a direction of projection of the ink droplets. The ink droplets are combined to a common drop, and form a droplet group. An independent claim is also included for a method for creating ink-droplets with a continuously operating ink-jet printer.

IPC 8 full level

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CPC (source: EP US)

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Cited by

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EP 1902843 A1 20080326; **EP 1902843 B1 20090422**; AT E429335 T1 20090515; DE 102006045060 A1 20080410; DE 502007000635 D1 20090604; HK 1123775 A1 20090626; JP 2008074105 A 20080403; US 2008074477 A1 20080327; US 7837307 B2 20101123

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