

Title (en)

Ink controlling and regulating device for a continuous ink jet printer.

Title (de)

Tintensteuer- und -regelvorrichtung für einen kontinuierlich arbeitenden Tintenstrahldrucker.

Title (fr)

Dispositif de contrôle et de régulation d'une encre et de son traitement dans une imprimante à jet d'encre continu.

Publication

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Application

EP 89460031 A 19890922

Priority

FR 8812935 A 19880929

Abstract (en)

[origin: WO9003271A1] In a continuous ink jet printer wherein a jet (J) is fractionated into droplets charged in a charge electrode (6) and which then pass between deflection electrodes, a sensor (8) is provided which includes a conductor element (8c) consisting of two parts which are symmetrical with respect to the projectory of the droplets. According to the invention, the device comprises a circuit (9) which determines and processes the first I(t) and second J(t) derivatives with respect to the time of the charge induced in the conductor element by charged droplets (Gc) in order to determine their speed. The device also includes means for regulating the speed of droplets and means for regulating the ink quality.

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CPC (source: EP KR US)

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Citation (examination)

- PATENT ABSTRACTS OF JAPAN, vol. 4, no. 49 (M-7)[531], page 135; JP-A-55 19 514 (RICOH K.K.) 12-02-1980
- PATENT ABSTRACTS OF JAPAN, vol. 10, no. 130 (M-478)[2187], 14 mai 1986, page 31; JP-A-60 255 443 (RICOH K.K.) 17-12-1985

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