

Title (en)

Droplets-generating device for an ink jet printer.

Title (de)

Tröpfchenerzeugungsvorrichtung für Tintenstrahlschreiber.

Title (fr)

Générateur de gouttelettes pour imprimante à jet d'encre.

Publication

EP 0072685 A1 19830223 (EN)

Application

EP 82304297 A 19820813

Priority

- GB 8124843 A 19810814
- GB 8214023 A 19820514

Abstract (en)

Printing apparatus suitable for use as a dot matrix printer is provided with an elastic medium, such as an elongate metal or alloy member 18, extending across the print field, the member being associated with some form of ink deposition mechanism (not shown) such as an inked fibre provided on the member, or a trough arrangement containing ink. Pulses Ps, Pm are transmitted in opposite directions along the member 18, either from two transducers T1, T2 or from one transducer in two series of pulses, the first being reflected at the end of the member opposite the transducer and returning to meet the second series. The pulses travelling in opposite directions combine constructively to provide momentary stationary impulses Pc which actuate the ink deposition mechanism. Pulses of smaller amplitude do not actuate the mechanism thereby avoiding spurious printing. Thus relative timing of the pulses produced by the transducer(s) will determine the positions of the printed dots.

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IPC 8 full level

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CPC (source: EP)

B41J 2/04 (2013.01); **B41J 2002/041** (2013.01); **B41J 2002/14379** (2013.01)

Citation (search report)

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- [A] US 3701476 A 19721031 - HOUSER PHILIP H
- [Y] MÜLLER-POUILLETS: "Lehrbuch der Physik", vol. 1, part 3, edition 11, Fr. Vieweg & Sohn Akt.-Ges., 1929, Braunschweig (DE);

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EP0131704A1; US5650806A; EP1319511A1; US5877789A; EP0748691A3; US6779866B2; WO9012691A1

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