Title (en)

WIRE MATRIX PRINTER

Publication

EP 0156767 B1 19890104 (FR)

Application

EP 85810084 A 19850301

Priority

CH 112484 A 19840307

Abstract (en)

[origin: ES8602492A1] The printer has a set of needles (1) attached to a support (2) at one end, each comprising an electrical conductor formed in two symmetrical parts angled in opposite directions relative to the straight line between the two ends of the needle. The needle is connected at opposite ends of the angled central part to opposite poles of a current source (8,9). The needle (1) is acted on by a magnetic field provided by a permanent magnet (7) which exerts a force tending to straighten it when a current is passed through it, to effect printing. - The current source (8,9) pref. comprises a pulse generator (8) coupled to the primary winding of a transformer (9) which has a secondary winding connected across the needle (1).

[origin: ES8602492A1] The printer has a set of needles (1) attached to a support (2) at one end, each comprising an electrical conductor formed in two symmetrical parts angled in opposite directions relative to the straight line between the two ends of the needle. The needle is connected at opposite ends of the angled central part to opposite poles of a current source (8,9). The needle (1) is acted on by a magnetic field provided by a permanent magnet (7) which exerts a force tending to straighten it when a current is passed through it, to effect printing. - The current source (8,9) pref. comprises a pulse generator (8) coupled to the primary winding of a transformer (9) which has a secondary winding connected across the needle (1).

IPC 1-7

B41J 3/12; B41J 7/84

IPC 8 full level

B41J 2/295 (2006.01); **B41J 2/25** (2006.01); **B41J 2/27** (2006.01)

CPC (source: EP KR US)

B41J 1/22 (2013.01 - KR); **B41J 2/25** (2013.01 - EP US); **B41J 2/27** (2013.01 - EP US); **B41J 11/22** (2013.01 - KR)

Cited by

US4745386A; WO9013171A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0156767 A1 19851002; **EP 0156767 B1 19890104**; AT E39646 T1 19890115; AU 3953785 A 19850912; CH 658627 A5 19861128; DE 3567169 D1 19890209; DK 99885 A 19850908; DK 99885 D0 19850305; ES 540946 A0 19851201; ES 8602492 A1 19851201; GR 850553 B 19850705; JP S60206669 A 19851018; KR 850006518 A 19851014; US 4600322 A 19860715; YU 35485 A 19880630

DOCDB simple family (application)

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