

Title (en)
DOT MATRIX PRINTER

Publication
EP 0144153 B1 19900725 (EN)

Application
EP 84307545 A 19841101

Priority
IT 6820583 A 19831118

Abstract (en)
[origin: EP0144153A2] The dot printer, which is of small dimensions, is used with desk top computers or as a peripheral unit with small processors. The printer writes in the serial-parallel mode by means of a thermal head (26) on a paper tape (16) wound on a writing platen (10) which advances intermittently to effect line spacing. This advancing is effected by means of a pawl (56) on a beam (50) controlled by a face cam (46) and a radial cam (48) on a cam cylinder (44) driven by a motor (45). A third cam (42) reciprocates the head (26) and, at the reversals of the head, the face cam (46) allows a spring (45) to engage the pawl (56) with a toothed wheel (62) on the platen (10) and the radial cam (48) then moves the pawl to advance the platen. The head comprises a small plate (29) of insulating material with twenty point-like resistive writing elements, and is fixed to a support (24) which is moved parallel to the cylinder by means of the third (42). A printed circuit card (71) fixed to the structure of the printer carries concentric tracks which are traversed by a sliding contact mounted on the cam cylinder (44) to produce synchronising signals for the printing pulses.

IPC 1-7
B41J 2/22; B41J 19/80

IPC 8 full level
B41J 11/38 (2006.01); **B41J 19/78** (2006.01); **B41J 19/84** (2006.01); **B41J 25/00** (2006.01)

CPC (source: EP)
B41J 19/84 (2013.01); **B41J 25/006** (2013.01)

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0144153 A2 19850612; EP 0144153 A3 19871202; EP 0144153 B1 19900725; DE 3482821 D1 19900830; ES 537737 A0 19851016; ES 8601617 A1 19851016; IT 1159628 B 19870304; IT 8368205 A0 19831118; JP H0551468 B2 19930802; JP S60137677 A 19850722

DOCDB simple family (application)
EP 84307545 A 19841101; DE 3482821 T 19841101; ES 537737 A 19841116; IT 6820583 A 19831118; JP 24432884 A 19841119