

Title (en)

Frame structure of a scanning-type printer

Title (de)

Gestell für Drucker des Hin- und Herbewegungstyps

Title (fr)

Châssis pour imprimante de type à balayage

Publication

**EP 1674280 A3 20080625 (EN)**

Application

**EP 05112128 A 20051214**

Priority

- EP 04106834 A 20041222
- EP 05112128 A 20051214

Abstract (en)

[origin: EP1674280A2] A printer comprising: a frame (10), a feed roller rotatably supported in the frame (10) for advancing a recording medium, a sheet support plate (26) for supporting said recording medium, a guide rail (28) extending in parallel with an axial direction (Y) of the feed roller, and a carriage (30) guided at the guide rail (28) and carrying a printhead (34) facing the recording medium on the sheet support plate, the frame (10) being composed of a support structure (12) and two plate-like function blocks (20), which are supported on said support structure (12) at both ends of the feed roller (24) so as to extend in respective planes (X-Z) normal to said axial direction (Y), and which support the guide rail (28) and the sheet support plate (26), wherein the feed roller is rotatably supported in two bearings (22), each of which has a bearing case (46), each bearing case (46) is supported on a member (18) of the support structure (12), each of the function blocks (20) defines a downwardly open V-shaped notch which is supported on the peripheral surface of one of the bearing cases (46) at exactly two points, and the guide rail (28) rests on V-shaped top surfaces of the function blocks (20) and is thereby accurately positioned in both directions (X, # Z) normal to said axial direction (Y).

IPC 8 full level

**B41J 29/02** (2006.01); **B41J 11/06** (2006.01)

CPC (source: EP)

**B41J 11/06** (2013.01)

Citation (search report)

- [A] US 4502796 A 19850305 - WILCZEWSKI ROBERT H [US], et al
- [A] EP 1375168 A1 20040102 - EASTMAN KODAK CO [US]
- [A] DE 10014010 A1 20001012 - MUTOH IND LTD [JP]

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Designated extension state (EPC)

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