

Title (en)

Daisy wheel printer.

Title (de)

Typenraddrucker.

Title (fr)

Imprimante avec une roue à languettes porte-caractères.

Publication

EP 0139245 A2 19850502 (EN)

Application

EP 84111422 A 19840925

Priority

US 53860683 A 19831003

Abstract (en)

A daisy wheel printer having a platen (70), a translatable carriage (200, 300), a pair of parallel support rods (33, 40) for the carriage, a pressure roller control mechanism (72, 122), and electro-mechanical drive mechanisms (57, 90), for the carriage (200, 300) and the platen (70) has a unitary cast base member (21) incorporating all of the support members (31, 32, 41, 65, 77, 78, 10) required for these elements. The unitary base member (21) also integrally incorporates a support platform (26) for the electrical power components, a separate integral chamber for the electronic control components, and a thermally conductive heat sink 1201 for conducting away heat generated by the electrical components. The unitary base member (21) also provides electromagnetic radiation shielding and static discharge protection without the need for additional shielding or ground components. The carriage assembly (200, 300) for the printing element includes a one piece die cast lower support brace (201, 202), and an upper carriage assembly (300) incorporating the detachable ribbon cartridge drive mechanism and a simple one piece ribbon latching device. The printer further features an easily removable paper deflector (110) and an improved pressure roller assembly (140...143).

IPC 1-7

B41J 1/30

IPC 8 full level

B41J 1/24 (2006.01); **B41J 13/02** (2006.01); **B41J 19/20** (2006.01); **B41J 29/00** (2006.01); **B41J 29/02** (2006.01); **B41J 35/10** (2006.01)

CPC (source: EP KR)

B41J 1/24 (2013.01 - EP KR); **B41J 29/02** (2013.01 - EP)

Cited by

EP0442726A3; US5366306A; GB2206538B; US7877040B2

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0139245 A2 19850502; **EP 0139245 A3 19860305**; AU 3241684 A 19850418; JP S6092887 A 19850524; KR 850003705 A 19850626; KR 860001776 B1 19861022

DOCDB simple family (application)

EP 84111422 A 19840925; AU 3241684 A 19840827; JP 16029484 A 19840801; KR 840005941 A 19840927