

Title (en)
PRINTER HAVING A PRINT RIBBON FEED DEVICE

Publication
EP 0026275 B1 19840314 (EN)

Application
EP 80103960 A 19800710

Priority
US 7960779 A 19790927

Abstract (en)
[origin: EP0026275A2] To provide an improved mechanical reversible spooling drive in a printer, a pair of spool spindles (32; 34), each carrying an apertured circular plate with peripheral ratchet teeth (32a; 32b: 34a; 34b) and a bail trigger (54: 55) spring loaded to extend through the aperture from one side thereof, are provided at the limits of the print path of a print head (24) driven reciprocally over the path. Print ribbon in the path is spooled on and between the spindles generally obstructing the apertures and restraining the triggers against the spring loading. Fixed abutments (52; 53) are engageable by a respective trigger when its spool is empty to lock that spindle and to engage, when the head is at the end of the path, a camming surface (64; 66) provided at each end of a bail (20) pivotally mounted on the print head and rendered positionally bistable by an overcentre mechanism (74) and place it in a position in which one of a pair of pawls (60; 62) engage the ratchet teeth to spool ribbon onto the "empty" spindle each time the print head reaches that end of the print path.

IPC 1-7
B41J 33/514; **B41J 33/382**

IPC 8 full level
B41J 33/46 (2006.01); **B41J 33/382** (2006.01); **B41J 33/514** (2006.01); **B65H 75/30** (2006.01)

CPC (source: EP)
B41J 33/382 (2013.01); **B41J 33/514** (2013.01)

Citation (examination)
IBM TECHNICAL DISCLOSURE BULLETIN, VOL. 21, No. 9, Febr. 1979, pp. 3687 and 3688

Cited by
US5876130A

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0026275 A2 19810408; **EP 0026275 A3 19810422**; **EP 0026275 B1 19840314**; CA 1143689 A 19830329; DE 3066963 D1 19840419; JP S5651381 A 19810508; JP S585794 B2 19830201

DOCDB simple family (application)
EP 80103960 A 19800710; CA 356127 A 19800714; DE 3066963 T 19800710; JP 9079480 A 19800704