

Title (en)

Pulley system for band printers.

Title (de)

Umlenkrollensystem für ein Typenband.

Title (fr)

Système de poulie pour bande d'impression.

Publication

EP 0057438 A1 19820811 (EN)

Application

EP 82100615 A 19820129

Priority

US 23086781 A 19810202

Abstract (en)

A steel printing band (30) is looped around a pair of capstans (40) covered by sleeves (44) made of elastomeric material. The sleeves (44) include a plurality of downwardly angled flexible circumferential flanges (46) and a lower horizontal rim (48). The band (30) contacts the flanges (46) and as the capstans rotate, inward force on the band is transferred to a downward force by means of the flanges. The downward force causes the band (30) to move into contact with the lower horizontal rim (48), thereby vertically aligning the band in the printer. In an alternate embodiment, a plurality of non-flexible circumferential ridges are included. The central ridges extend farther out from the surface of the sleeves and serve to define a crown. The sleeve configuration serves to reduce wear and accurately align the printing band (30) within the printer assembly.

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IPC 8 full level

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CPC (source: EP)

B41J 1/20 (2013.01)

Citation (search report)

- [Y] US 3744329 A 19730710 - FRANK C
- [A] US 4211166 A 19800708 - HARDT THOMAS T [US]
- [A] GB 1094841 A 19671213 - UNITED STATES STEEL CORP
- [Y] IBM-TECHNICAL DISCLOSURE BULLETIN, vol. 21, no. 2, July 1978, page 522, New York (USA);

Designated contracting state (EPC)

DE FR IT NL

DOCDB simple family (publication)

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