

Title (en)

Thermal ribbon cassette tension control for a thermal postage meter.

Title (de)

Steuerung der Thermobandspannung einer Kassette für eine Frankiermaschine mit Thermodrucker.

Title (fr)

Commande de tension de la bande thermique d'une cassette pour une machine d'affranchissement thermique.

Publication

EP 0589715 A2 19940330 (EN)

Application

EP 93307583 A 19930924

Priority

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- US 95033992 A 19920924

Abstract (en)

An improved thermal printing postage meter includes a base supporting a registration wall and a deck. A thermal print head is fixably mounted to the registration wall above a portion of the deck to define a print station. A thermal ribbon cassette is detachably mounted to the registration wall, the thermal ribbon cassette having a thermal transfer ribbon supply mounted around a supply roller and threaded past the print head in the printing station to a take-up roller. A platen roller assembly supports a platen roller for positioning the platen roller to assume a second position biasing the media against the thermal ribbon and the thermal print head. A first motor drive is provided for rotatively driving the platen roller, wherein rotation of the platen roller simultaneously drives the media and thermal ribbon past the print head. A second motor drive is provided for driving the take-up roller during a print cycle. A microcontroller communicates with the first drive motor and the second drive motor for driving the first and second motor drives at complementary speeds such that the take-up side web tension of the thermal ribbon within the thermal cassette remains constant.

<IMAGE>

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