

Title (en)

A thermal image-recording apparatus with a dancer roller for controlling the donor ribbon tension.

Title (de)

Thermisches Bildaufzeichnungsgerät mit Tänzerrollervorrichtung zur Aufrechterhaltung der Zugspannung in einem Farbstoffband.

Title (fr)

Appareil d'enregistrement d'images thermique avec rouleau baladeur pour la commande de la tension du ruban donneur.

Publication

**EP 0602283 A1 19940622 (EN)**

Application

**EP 92203893 A 19921214**

Priority

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Abstract (en)

A thermal image-recording apparatus which comprises a print head (18), a rotatably mounted print drum (14), rotatably mounted supply (31) and take-up spools (32) for a dye-bearing ribbon (17), a first motor (40) for rotating said print drum and a second motor (41) for rotating said take-up spool, and control means for controlling the winding tension of the take-up spool, which comprises a dancer roller (34) at a position between the print head and the take-up spool, and a control circuit (26,45,46) for controlling said second motor (41) in response to the position taken by said dancer roller so that during printing the rotational speed of said second motor (41) is increased as said dancer roller (34) reaches its lowest position, and the rotational speed of said second motor is decreased as said dancer roller reaches its highest position. <IMAGE>

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CPC (source: EP)

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- [YD] US 5117241 A 19920526 - STEPHENSON STANLEY W [US]
- [Y] US 4464916 A 19840814 - GREW GARY T [US], et al
- [A] EP 0086661 A2 19830824 - TOSHIBA KK [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 222 (M-712)(3069) 24 June 1988 & JP-A-63 19 274 ( HITACHI LTD ) 27 January 1988

Cited by

CN102947095A; CN114434991A; US10138087B2

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