

Title (en)

WEB TRANSPORT SYSTEM WITH ELECTRO-OPTICAL LABEL DETECTION

Publication

**EP 0096691 B1 19870909 (EN)**

Application

**EP 83900120 A 19821108**

Priority

- US 32983481 A 19811211
- US 32984181 A 19811211

Abstract (en)

[origin: WO8302088A1] A label carrier web transport for use in heat transfer decorators and the like, in which labels are optically registered to control web transport. A timing assembly (80) coordinates the rotation of a cam shaft (76) with the actuation and deactuation of clutch and brake assemblies within a metering roll (30). An optical scanner (60) trained on the web registers a predetermined contrast location within a label (110) to actuate the brake (32) and deactuate the clutch (42), subject to the presence of an enabling signal from the timing assembly. The metering roll, in combination with a reciprocating label shuttle (20), provides intermittent web motion to achieve controlled label advance. An alternative label transport system (210) incorporates a capstan web drive (230) in lieu of the metering roll, with a microprocessor (290) to control various machine functions including intermittent web transport.

IPC 1-7

**B32B 31/00**; **B65C 9/18**; **B65C 9/44**

IPC 8 full level

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CPC (source: EP)

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