

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
B41F 19/06 (2006.01); **B65C 9/18** (2006.01); **B65C 9/44** (2006.01); **B65H 23/00** (2006.01); **B65H 43/00** (2006.01)

CPC (source: EP)
B41F 19/064 (2013.01); **B65C 9/1873** (2013.01); **B41P 2219/41** (2013.01)

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 8302088 A1 19830623; AU 1042183 A 19830630; AU 566602 B2 19871022; DE 3277183 D1 19871015; EP 0096691 A1 19831228; EP 0096691 A4 19850411; EP 0096691 B1 19870909; JP S58502095 A 19831208; MX 152340 A 19850628

DOCDB simple family (application)
US 8201590 W 19821108; AU 1042183 A 19821108; DE 3277183 T 19821108; EP 83900120 A 19821108; JP 50016583 A 19821108; MX 19557982 A 19821210