

Title (en)

WRAPPING CONTROL AND MONITORING SYSTEM FOR FILM WRAPPING MACHINE

Publication

EP 0092760 B1 19881026 (EN)

Application

EP 83103717 A 19830418

Priority

- US 37168182 A 19820426
- US 37168282 A 19820426
- US 37168582 A 19820426

Abstract (en)

[origin: EP0092760A2] In a stretch film wrapping machine an improved control system provides for automatic or manual selection of one of at least two differing width film rolls and provides individualized wrapping parameters dependent upon the film width selected. Automatic film selection is performed in response to signals identifying the height, width and length of a package to be wrapped which characteristics are sensed or measured by a package sensing system (222, 226, 228, 230, 232, 234, 236, 242, 244). Both automatic and manual film selection includes timing controls (600) for synchronizing film gripping and clamping apparatus with underfolding apparatus dependent upon the film selected to provide improved control over the tensioning of film wrapped about individual packages. The improved control system monitors the operation of the wrapping machine to detect jam conditions and stops the machine for such jam conditions. The system also provides for limited reverse operation of the film wrapping machine for jam removal. The rear film underfolder and package pusher are mounted to be moved away from the machine to further facilitate jam removal. The improved control system monitors a film tensioning roller via an electrical switch to verify film draw into the machine. If no film is drawn indicating a film source problem, the machine is stopped.

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IPC 8 full level

B65B 11/54 (2006.01); **B65B 59/00** (2006.01)

CPC (source: EP US)

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Citation (examination)

- US 4178740 A 19791218 - GROOM JAMES S [US], et al
- US 4134246 A 19790116 - MICHELS CHARLES E

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