

Title (en)
PACKAGING APPARATUS FOR ROLLS WITH INTERIOR SLEEVES

Publication
EP 0054903 B1 19850220 (DE)

Application
EP 81110499 A 19811216

Priority
DE 3049096 A 19801224

Abstract (en)
[origin: US4485612A] Apparatus for providing cylindrical paper rolls with envelopes consisting of inner discs which are adjacent to the end faces of the rolls, of blanks which are draped around the peripheries of the rolls and whose marginal portions are folded over the inner discs, and of outer discs which are pasted over the folded marginal portions of the blanks has a feeding unit which delivers successive rolls axially to a monitoring station where the dimensions of the rolls are ascertained by sensors and where the recesses in the end faces of the rolls receive expandible clamping heads of a lifting device serving to advance the rolls, in horizontal positions, past a draping and thereupon past a blank-folding station. The heads are movable toward each other in response to signals from the sensors to enter the recesses of a roll at the monitoring station, and such heads deliver successive rolls to an intermediate conveyor which, in turn, delivers successive rolls to an orientation changing device. The latter turns each roll through 90 DEG so that the axes of the rolls are vertical prior to deposition on the roll of a removing conveyor.

IPC 1-7
B65B 25/24

IPC 8 full level
B65B 25/14 (2006.01); **B65B 49/08** (2006.01)

CPC (source: EP US)
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Cited by
EP0254458A3; NL8702670A; FR2607467A1

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EP 0054903 A2 19820630; EP 0054903 A3 19821020; EP 0054903 B1 19850220; DE 3049096 A1 19820722; DE 3049096 C2 19860528; FI 69798 B 19851231; FI 69798 C 19900220; FI 814129 L 19820625; JP H0139925 B2 19890824; JP S57133816 A 19820818; NO 156684 B 19870727; NO 156684 C 19871104; NO 814338 L 19820625; US 4485612 A 19841204

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