

Title (en)

DEVICE FOR PRODUCING ROLLS OF FLEXIBLE SHEETS WOUND IN STAGGERED OVERLAPPING FORMATION

Publication

EP 0054735 B1 19850116 (DE)

Application

EP 81109438 A 19811030

Priority

DE 3048721 A 19801223

Abstract (en)

[origin: EP0054735A2] 1. Apparatus for making shingled strip rolls (37) consisting of shingled flat articles, such as bags or bag workpieces, which have been superimposed in a shingled arrangement on a belt conveyor, comprising a winding core (45), which is mounted in the machine frame and to which at least one retaining strip (40) is secured, which is withdrawn from a supply roll (39) and as the shingled strip (37) is wound up is stretched over and retains the latter, also comprising a belt conveyor, which supplies the workpieces and consists of a frame (35), which carries rollers (31, 33) at least at opposite ends of the frame and is pivotally movable about the axis of the first roller (31), and a driven endless conveyor belt (28) trained around the rollers (31, 32, 33) of said frame, also comprising means (38) for moving the frame (35) into engagement with the winding core (45) or with the shingled strip roll (37) forming on said winding core so that they are driven by the endless conveyor belt (28) of said frame, and comprising a conveyor for feeding the shingled articles to the belt conveyor, characterized in that the drive roll shaft for the belt conveyor (28) is connected to a pulse generator (41), which delivers electric pulses in accordance with predetermined angular positions, which pulses are counted by a counter (42), which is adapted to be set to a predetermined count, the device (26) for scanning the edges of the workpieces resets the counter (42) to zero in response to the detection of each workpiece edge, the counter (42) deenergizes the motor for driving the drive roller shaft when the set count has been reached, and the motor is re-energized when the counter (42) has been reset by the scanning device (26).

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Cited by

US4597541A; US4589606A; EP0837020A3; US4550883A; US4587790A; DE19627158A1; DE19627158C2; EP0819633A3; EP0324900A1; US5022644A; US4494705A; US4582272A; US4494359A; EP0147528A1; US4793566A; US4923136A; CN111566033A

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