

Title (en)

Winding machine for winding a running paper web

Title (de)

Wickelmaschine zum Aufwickeln einer laufenden Papierbahn

Title (fr)

Machine d'enroulage pour enrouler une bande de papier en mouvement

Publication

EP 0814042 A2 19971229 (DE)

Application

EP 97106970 A 19970426

Priority

DE 19624716 A 19960621

Abstract (en)

[origin: US5899405A] The winding machine of the invention includes two parallel wound web roll support rollers which are spaced apart and on which the roll being wound is supported. The gap between the support rollers and below the supported wound roll is to be pressurized. A pressure chamber is defined by the support rollers, the wound roll above, and from below by a cross member which bridges over the distance between the support rollers and closes the bottom of the gap. End walls close the ends of the chamber. The cross member is movable between a sealing position where it is in contact with, or at least is sealed with, the two support rollers and bridges the gap between them to an open position where it opens the gap between the support rollers. The cross member is movable either down out of the gap, laterally out of the gap, or a combination of both, by reciprocating swinging, or oblique movement, and the like. The cross member has at least one passage which connects the pressure chamber with a source of compressed air through an intermediate conduit. An elongate transverse distributing pipe arranged at a distance from the cross member has a pressure connection through the conduit leading to the cross member.

Abstract (de)

Die Erfindung betrifft eine Wickelmaschine zum Aufwickeln einer laufenden Papierbahn mit zwei parallel nebeneinander angeordneten Tragwalzen, die einen gegenseitigen Abstand aufweisen; es ist ein Druckraum von den folgenden Elementen umschlossen: den Mantelflächen der Tragwalzen, der Mantelfläche der entstehenden Papierrolle, einer den Abstand zwischen den Tragwalzen überbrückenden Traverse, je eine in jedem Endbereich der Tragwalzen befindliche Stirnwand; die Traverse ist derart beweglich, daß sie mit den Mantelflächen der Tragwalzen offenbare Dichtspalte bildet; die Traverse hat wenigstens einen Durchlaß, der über eine Leitung den Druckraum mit einer Druckluftquelle verbindet. <IMAGE>

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