

Title (en)

Device for winding a web of material onto core tubes.

Title (de)

Vorrichtung zum Aufwickeln von Materialbahnen auf Wickelwellen.

Title (fr)

Machine pour enrouler des bandes de matière en bobines.

Publication

EP 0538566 A1 19930428 (DE)

Application

EP 92113336 A 19920805

Priority

- DE 4135163 A 19911024
- DE 4200478 A 19920110

Abstract (en)

[origin: CA2081241A1] A DEVICE FOR WINDING WEBS OF MATERIAL, ONTO WINDING SHAFTS A device for winding webs of material onto winding shafts comprises a movable bearing supporting a winding shaft during winding, through which the supply roll being formed can be moved towards a contact roller and which can be moved in a position away therefrom for the removal of the completely wound supply roll. A new winding shaft accelerated approximately up to the speed of the web and onto which the leading end of the web formed by a severance cut can be wound, is inserted in the movable bearings by a means. In order to prevent the supply roll with its increasing weight from being supported completely on the contact roller, which may cause damage to the web, the movable bearing is provided. The bearing comprises pairs of holding means each pair of which can be moved synchronously with the other pair and also independently thereof. The pairs are adapted to hold a supply roll jointly as well as to hold individually a completely wound supply roll or a winding shaft with the leading end of the web wound thereon.

[origin: CA2081241A1] A device for winding webs of material onto winding shafts comprises a movable bearing supporting a winding shaft during winding, through which the supply roll being formed can be moved towards a contact roller and which can be moved in a position away therefrom for the removal of the completely wound supply roll. A new winding shaft accelerated approximately up to the speed of the web and onto which the leading end of the web formed by a severance cut can be wound, is inserted in the movable bearings by a means. In order to prevent the supply roll with its increasing weight from being supported completely on the contact roller, which may cause damage to the web, the movable bearing is provided. The bearing comprises pairs of holding means each pair of which can be moved synchronously with the other pair and also independently thereof. The pairs are adapted to hold a supply roll jointly as well as to hold individually a completely wound supply roll or a winding shaft with the leading end of the web wound thereon.

Abstract (de)

Eine Vorrichtung zum Aufwickeln von Materialbahnen auf Wickelwellen weist ein eine Wickelwelle während des Aufwickelns halterndes bewegliches Lager auf, über das die sich bildende Wickelrolle an eine Kontaktwalze anstellbar und das in eine von dieser abgerückte Stellung zur Entnahme der fertig gewickelten Wickelrolle bewegbar ist. Eine neue, etwa auf Bahngeschwindigkeit beschleunigte Wickelwelle, auf die der durch einen Trennschnitt gebildete Anfang der Bahn aufwickelbar ist, wird durch eine Einrichtung in das bewegliche Lager eingelegt. Um zu verhindern, daß sich die Wickelrolle mit ihrem zunehmenden Gewicht unter Beschädigung der Bahn auf die Kontaktwalze abstützt, ist das bewegliche Lager durch zwei Paare von Halteinrichtungen (30, 31, 32) gebildet, von denen jedes Paar sowohl synchron mit dem anderen als auch unabhängig von dem anderen bewegbar ist. Die Paare vermögen sowohl gemeinsam eine Wickelrolle (33) als auch jeweils für sich allein eine fertig gewickelte Wickelrolle (33) oder eine Wickelwelle (36) mit aufgewickeltem Bahnanfang zu halten. <IMAGE>

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Citation (search report)

- [A] DE 2364089 B2 19770203
- [AD] DE 3212960 A1 19831020 - WESER LENZE STAHLKONTOR [DE]

Cited by

EP0584716A3; EP0905069A1; EP0595229A3; US7168651B2; US6834824B1; WO9630293A1

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