

Title (en)

Apparatus for tying a wire coil on a coiling mechanism.

Title (de)

Vorrichtung zum Binden eines Drahtbundes auf einer Aufwickleinrichtung.

Title (fr)

Installation de liage d'une torche sur un enrouleur.

Publication

EP 0230398 A1 19870729 (FR)

Application

EP 87810019 A 19870113

Priority

CH 12986 A 19860115

Abstract (en)

1. Installation for forming wire bundles comprising, on the one hand, a winder (4) equipped with drums (3, 5) and having a stopping position in which one of the drums is in a position for binding a wire bundle (6) wound on this drum (3), each drum including an assembly of sectors (15) spaced from one another about the axis of the drum, and each sector comprising a barrel element (18), a first cheek element (16) situated at one end of the barrel and a second cheek element (17), and, on the other hand, a binding machine (7) provided with arms (11, 12) for guiding a strap, arranged so as to determine a binding point and placed in proximity to the winder (4), this binding machine (7) being movable towards the axis of the drum situated in binding position, the arms (11, 12) being arranged so as to fit between two sectors (15) of the drum stopped in binding position, then to close about the wire bundle (6), characterized in that the second cheek elements (17) of the drums (3, 5) are movable translationally along the barrel elements (18) so as to permit an adjustment of the axial width of the wire bundles, and in that the binding machine (7) is arranged in such a way that the point of binding is substantially on a straight line defined as the intersection of a plane forming a frontal face of the wire bundle (6) and of a plane containing the axis of the drum (3, 5) and is movable along this straight line.

Abstract (fr)

Lorsque le tambour (3) est arrêté dans une orientation telle que l'espace entre deux secteurs (15) est orienté vers la machine de liage (7), le support (10) des bras articulés (11, 12) est avancé de façon que les bras embrassent la section de la torche limitée par les flasques (16, 17). Le lien (20) est engagé dans les bras (11, 12) de façon à former une boucle qui est ensuite serrée en faisant tourner les galets (21, 22) en sens inverse et en avançant la tête de liage (13) entre les éléments de flasque (17, 16). La distance de recul a été calculée au préalable et mise en mémoire dans un dispositif de commande électronique. Les seuls déplacements effectués se font en direction radiale au voisinage du flasque (16) ayant une position axiale fixe.

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B65B 27/06

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CPC (source: EP)

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Citation (search report)

- [X] FR 2549446 A1 19850125 - SORENAM [FR]
- [A] US 3118367 A 19640121
- [A] FR 2375128 A1 19780721 - SUTE [FR]

Cited by

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