

Title (en)

Apparatus for coiling an elongated element

Title (de)

Vorrichtung zum Herstellen von Ringwickeln aus langgestrecktem Gut

Title (fr)

Dispositif de mise en torches d'un élément longiligne

Publication

EP 0992447 A1 20000412 (FR)

Application

EP 98811010 A 19981007

Priority

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Abstract (en)

Each coil builds up on equally spaced, narrow, axially oriented slats (340) arranged around a notional cylinder whose horizontal axis is perpendicular to the direction (X) of extrusion. At one end, the slats are cantilevered on mountings adjustable, to set inner diameter of the coil, along spokes (33) extending radially from a central disk. Radial side-bars (341), axially adjustable along the slats, determine the coil width. This assembly (33,340,341), with a supporting base (31), axle (36) and drive motor (331), can slide on transverse rails (30) into contact with a corresponding inboard disk (32), defining the other side of the coil. This disk, rotating freely on bearings (320) on a fixed central support (300), is then driven by the outboard disk. The traversing feeding head (4) directs newly extruded tube, etc. to form coils on each frame (A,B) alternately. Completed coils are bound by ligatures passed through their open centers by the retractable arms (52) of a binding unit (5), which also cuts the coil at the correct length. Relaxing devices on the slats free them from the coil, whose weight passes to rollers (60,61), raised from the bars. The outboard assembly then withdraws laterally (30), allowing the coil to roll into a railed (63) dispatch area. The supervising controller (7) is opt. integrated with the extrusion line controller.

Abstract (fr)

Le dispositif de confection de torches comprend deux postes (A,B) disposés côte à côte et perpendiculairement à l'axe longitudinal (X) de la ligne de production. Chacun des postes est alimenté successivement par un élément longiligne afin de l'assembler en une torche. Les moyens de trancanage (4) et de ligature (5) sont commandés afin de passer successivement à la confection d'une torche dans un poste à la confection de la torche suivante dans l'autre poste. Des moyens d'évacuation automatiques (6) des torches terminées sont disposés en aval du dispositif. Un tel dispositif est particulièrement prévu pour la confection de torches de grand diamètre, vu qu'il ne nécessite pas le déplacement de masses ou de volumes importants. <IMAGE>

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CPC (source: EP)

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Citation (search report)

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