Title (en)

A WINDING SECTION FOR THE AUTOMATIZED PRODUCTION OF ROLLS OF BAGS

Title (de)

WICKLUNGSTEIL FÜR DIE AUTOMATISIERTE HERSTELLUNG VON BEUTELROLLEN

Title (fr)

SECTION D'ENROULEMENT POUR PRODUCTION AUTOMATISÉE DE ROULEAUX DE SACS

Publication

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Application

EP 11773847 A 20110902

Priority

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- IB 2011053843 W 20110902

Abstract (en)

[origin: WO2012046151A1] The present invention concerns a winding section (1) for winding a continuous band (200) of bags around one or more cores (4). The section includes a feed path (200) of the band, a winding device (10) for winding the band around the core (4) and appropriate tear means (60, 60', 61, 61', 150) to cause the tear of the band (100) in correspondence of the completion of a winding and to facilitate the beginning of a subsequent winding. In accordance with the invention, the winding device (10) includes a shaft (12) to which two rotatable discs (11) are connected rigidly provided each one of them with a first (16) and a second spindle (17). The spindles are both sliding axially with respect to the disc and also rotatable axially to realize the winding of a roll in formation. A mobile core loader (3) and a movement system (50, 51, 55, 100) are also included, the last one synchronized in such a way that when a spindle (16, 17) is in rotation to complete a first winding the second spindle is retracted in such a way that the loader is set in axis with it to spear the cores after its extraction. Subsequently, the moving apart of the loader (3) is controlled and, in proximity of the completion of the first winding, the whole device (10) is made to rotate around its axis (12) that causes an inversion of position between the two spindles (16, 17). The second spindle extracted is now set in rotation in such a way that, after the tear, it initiates a new winding while the first one is retracted so as to make the roll formed fall.

IPC 8 full level

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Citation (search report)

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