

Title (en)

METHOD AND DEVICES TO ELIMINATE WRINKLES WHEN LOADING AND TO ELIMINATE DRAGGING WHEN UNLOADING A FLEXIBLE, NON-STRETCHING MATERIAL ON A FLEXIBLE AND STRETCHABLE CONVEYOR BELT

Title (de)

VERFAHREN UND VORRICHTUNGEN ZUR BESEITIGUNG VON FALTEN BEIM BELADEN UND ZUR BESEITIGUNG VON ZIEHEN BEIM ENTLADEN EINES FLEXIBLEN, DEHNUNGSFREIEM MATERIALS AUF EINEM FLEXIBLEN UND DEHNUNGSFREIEM FÖRDERBAND

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR ÉLIMINER LES PLIS DU CHARGEMENT ET POUR ÉLIMINER LE DRAGAGE LORS D'UN DÉCHARGEMENT DE MATÉRIAU NON ÉTIRABLE FLEXIBLE SUR UNE COURROIE TRANSPORTEUSE FLEXIBLE ET EXTENSIBLE

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Application

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Abstract (en)

The invention considers the difference by which a flexible and non-stretching material (A), transported on a conveyor belt (B), next to a first cylinder (1), of loading, has a length of travel that is greater than the conveyor belt's (B), a surplus that when loading, wrinkles the material, and at the opposite end of the conveyor belt, on the unload cylinder (2), the material being dragged, it slips off the belt when unloading, wrinkling and dragging that are eliminated by inserting a cover device (3), that separates the material from the belt when loading it, as well as a blade (4), which, due to its attaching to the conveyor belt (B) and to its helical disposition, breaks the adhesion between the transported material and the belt when unloading, detaching the material (A) from the belt (B), and, due to a curtain type prolongation piece (5) that is attached to the blade (4), the transported material is prevented from being driven on the belt, which leads to eliminating the material wrinkling and dragging and ensuring a high precision transportation of the material. Fig. (6) fully illustrates this invention.

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- [A] FR 2532286 A1 19840302 - BUGEY MAROQUINERIE TANNEUR TAN [FR]
- [A] DE 102007018204 A1 20081030 - BRUDER WOLFGANG [DE]
- [A] EP 2210836 A1 20100728 - SHIMA SEIKI MFG [JP]

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