

Title (en)

Apparatus and method for winding fabric rolls with or without automatic elimination of fabric scraps and splicing of the pieces forming the roll

Title (de)

Vorrichtung und Verfahren zum Wickeln von Textilrollen mit oder ohne automatische Entfernung von Textilabfällen und Spleissen der die Rollen bildenden Stücke

Title (fr)

Dispositif et méthode pour enrouler des rouleaux de textile avec ou sans enlèvement automatique de déchets textiles et raccordement des pièces formant les rouleaux

Publication

**EP 1593629 A3 20080827 (EN)**

Application

**EP 05009809 A 20050505**

Priority

IT CO20040013 A 20040506

Abstract (en)

[origin: EP1593629A2] An apparatus and method for winding a fabric web (6) into fabric rolls (A) either with or without an automatic rejection of the defective fabric (6C) and joining of the fabric pieces forming the roll (A), in which, in the fabric (6) feeding path under the winding station (5) are provided a substantially horizontal cutting portion (7) comprising a swinging belt (11), and a following substantially vertical guide portion (8), comprising a vertical belt (17). Under the winding station (5) a swinging arm (21) is moreover provided. The fabric (6) for forming the fabric roll (A) is performed with the fabric (6) in a stretched condition, whereas the cutting for separating the defective portion (6C) pre-wound on the fabric roll (A), after having unwound it from the fabric roll (A), is carried with the fabric (6) locked between said swinging belt (11) and said swinging arm (21) in a position thereof raised for supporting the tail portion (6B) of the fabric roll (A) during the cutting for separating the tail portion (6B) of the fabric roller and the defective fabric portion. The front edge (6A) of the fabric (6) is guided to the winding station (5) along the vertical guide portion (8) in a sandwich form between said vertical belt (17) and tail portion (6B) of the fabric during its winding on the fabric roll (A). With the winding station (5) a receiving station (10) for temporarily receiving the finished fabric roll (A) is associated. By associating with the winding station (5) a second analogous winding station (36) it is possible to also form retree fabric rolls (B).

IPC 8 full level

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CPC (source: EP)

**B65H 18/20** (2013.01); **B65H 26/00** (2013.01); **B65H 2301/542** (2013.01); **B65H 2301/543** (2013.01); **B65H 2403/942** (2013.01)

Citation (search report)

- [A] EP 1225144 A2 20020724 - TESTA ENGINEERING S R L [IT]
- [A] US 5257748 A 19931102 - MORIZZO NICHOLAS L [US]
- [A] EP 0538757 A1 19930428 - TESTA SPA [IT]

Cited by

CN110304481A; CN111661696A

Designated contracting state (EPC)

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Designated extension state (EPC)

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**EP 1593629 A2 20051109**; **EP 1593629 A3 20080827**; IT CO20040013 A1 20040806

DOCDB simple family (application)

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