

Title (en)

An apparatus and a method for splicing webs provided with repeated patterns

Title (de)

Vorrichtung und Verfahren zum Verbinden von mit wiederholten Mustern versehenen Bahnen

Title (fr)

Appareil et procédé pour épisser des bandes pourvues de motifs répétés

Publication

EP 2982629 A1 20160210 (EN)

Application

EP 14180387 A 20140808

Priority

EP 14180387 A 20140808

Abstract (en)

There is described an apparatus (1) for splicing a new web (3), provided with repeated patterns, to a web in use (2), also provided with repeated patterns and fed, at a working speed (W) and along a predetermined path (P), to a processing machine; the apparatus (1) comprises: a first and a second support hub (11, 10) respectively supporting in use a first and a second reel (5, 4) of the webs (2, 3) to be spliced and rotating about axes (E, D) parallel to one another; joining means (13) arranged adjacent to a working portion (P1) of the path (P) and selectively activated for adhesively bonding a segment (3a) of the new web (3) to a segment (2a) of the web in use (2) in an overlapped position; and cutting means (14) to perform a cutting operation on the web in use (2) at an area thereof located upstream of the overlapped and bonded segments (2a, 3a); the first and second support hub (11, 10) are independently rotated about their axes (E, D) by first and second actuator means (27, 26), respectively; the joining means (13) comprise pressing means (75) selectively activated to press the segments (2a, 3a) onto one another while passing along the working portion (P1) itself and while the segment (3a) of the new web (3) is advanced by the first actuator means (27) at the working speed (W) of the web in use (2). (Figure 3)

IPC 8 full level

B65H 19/18 (2006.01); **B65H 19/20** (2006.01); **B65H 23/188** (2006.01)

CPC (source: EP)

B65H 19/181 (2013.01); **B65H 19/1821** (2013.01); **B65H 19/20** (2013.01); **B65H 23/1886** (2013.01); **B65H 2301/4621** (2013.01); **B65H 2301/46312** (2013.01); **B65H 2403/52** (2013.01); **B65H 2408/2411** (2013.01); **B65H 2408/24153** (2013.01); **B65H 2801/75** (2013.01)

Citation (search report)

- [YA] US 4043520 A 19770823 - OLSSON WILLY JOHN, et al
- [YA] DE 102012201937 B3 20130228 - KOENIG & BAUER AG [DE]
- [YA] US 2008023126 A1 20080131 - HOULD DANIEL FREDERICK [US], et al
- [YA] US 5692698 A 19971202 - FORBES THOMAS J [US]
- [Y] WO 2005097644 A1 20051020 - KOENIG & BAUER AG [DE], et al
- [A] US 4151594 A 19790424 - STERN NATHAN [US]
- [Y] DE 4401963 A1 19940609 - VOITH GMBH J M [DE]

Cited by

CN109708910A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2982629 A1 20160210

DOCDB simple family (application)

EP 14180387 A 20140808