

Title (en)

METHOD FOR APPLYING A STRIP-SHAPED ELEMENT, IN PARTICULAR A SECURITY THREAD, TO A RIBBON-LIKE SUBSTRATE AND DEVICE FOR CARRYING OUT THE METHOD, AND USE THEREOF

Title (de)

VERFAHREN ZUM APPLIZIEREN EINES STREIFENFÖRMIGEN ELEMENTS, INSBESONDERE EINES SICHERHEITSFADENS, AN EINEN BANDFÖRMIGEN TRÄGER SOWIE VORRICHTUNG ZUR DURCHFÜHRUNG UND ANWENDUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ D'APPLICATION D'UN ÉLÉMENT EN FORME DE RUBAN, EN PARTICULIER D'UN FIL DE SÉCURITÉ, SUR UN SUPPORT EN FORME DE BANDE ET DISPOSITIF EN VUE DE L'EXÉCUTION ET DE L'UTILISATION DU PROCÉDÉ

Publication

**EP 2349891 A1 20110803 (DE)**

Application

**EP 08875723 A 20081027**

Priority

**IB 2008002857 W 20081027**

Abstract (en)

[origin: WO2010052513A1] The invention relates to a method for applying at least one strip-shaped element (12), in particular a security thread, onto a ribbon-like substrate (11) in a positionally precise manner, said strip-shaped element (12) having a structure that changes in the longitudinal direction and having control marks (30, 31, 32) for positioning the strip-shaped element (12). A continuous operation "from the roll" with no strain fluctuations is accomplished by providing a supply roll (13) with the strip-shaped element (12) wound thereon, that the ribbon-like substrate (11) is passed by an application location (AO) in the longitudinal direction at a predefined speed, that a position is detected on the ribbon-like substrate (11) for applying the strip-shaped element (12), that according to the detected position on the ribbon-like substrate (11) the strip-shaped element (12) is unwound from the supply coil (13), wherein the control marks (30, 31, 32) of the strip-shaped element (12) are scanned and from the scanned control marks (30, 31, 32) the longitudinal positioning of the strip-shaped element (12) is determined, that a precisely positioned predetermined section is cut from the unwound strip-shaped element (12) and the predetermined section is transferred to the ribbon-like substrate (11) with positional precision and synchronously applied there.

IPC 8 full level

**B65H 23/04** (2006.01); **B65H 39/14** (2006.01)

CPC (source: EP)

**B65H 35/08** (2013.01); **B65H 37/04** (2013.01); **B65H 39/16** (2013.01); **B42D 25/355** (2014.10); **B65H 2301/43152** (2013.01)

Citation (search report)

See references of WO 2010052513A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 2010052513 A1 20100514**; EP 2349891 A1 20110803

DOCDB simple family (application)

**IB 2008002857 W 20081027**; EP 08875723 A 20081027