

Title (en)
Adhesive security tape and method for its production

Title (de)
Sicherheitsklebeband und Verfahren zu dessen Herstellung

Title (fr)
Bande adhésive de sécurité et son procédé de fabrication

Publication
EP 2017809 A2 20090121 (DE)

Application
EP 08104694 A 20080710

Priority
DE 102007033702 A 20070716

Abstract (en)

The security adhesive strip useful as theft protection enveloping packaging strips e.g. transportation packing for cigarettes, comprises a first flexible carrier layer (2), a first adhesive layer (3) applied on one of the two surfaces of the first carrier layer, and a second flexible carrier layer (5) adhered on the free surface of the first carrier layer indirectly over a second adhesive layer (6). The first carrier layer is perforated along predetermined separating lines (4) in a partially completed manner. The separating lines are slots extending itself over the width of the safety tape. The security adhesive strip useful as theft protection enveloping packaging strips e.g. transportation packing for cigarettes, comprises a first flexible carrier layer (2), a first adhesive layer (3) applied on one of the two surfaces of the first carrier layer, and a second flexible carrier layer (5) adhered on the free surface of the first carrier layer indirectly over a second adhesive layer (6). The first carrier layer is perforated along predetermined separating lines (4) in a partially completed manner. The separating lines are slots extending itself over the width of the safety tape and separated through bars, and are sequence of perforations. The second flexible carrier layer is removed after cutting to size of the adhesive cover plate from the safety strip and specified gluing of the adhesive cover plate. The slots and/or perforations are produced by ablation using a working laser radiation. The material of the first carrier layer is absorbed for the working laser radiation and contains natural rubber content. The material of the second carrier layer is not absorbed for the working laser radiation. The second carrier layer is coated with a layer reflecting the working laser radiation, and consists of a tear-resistant material to remove the layer reliably in a unit after specified gluing of the adhesive cover plate. The separating lines represent an identifier by its line process. An independent claim is included for a procedure for the production of a security adhesive strip.

Abstract (de)

Die Erfindung betrifft ein Sicherheitsklebeband 1 und ein Verfahren zu dessen Herstellung, wobei das Sicherheitsklebeband 1 aus einer ersten und einer zweiten Trägerschicht 2, 5 besteht, die untereinander mittels einer zweiten Klebeschicht 6 verbunden sind und mittels einer ersten Klebeschicht 3 auf eine Haftoberfläche aufklebbar sind und in die erste Trägerschicht 2 Trennlinien 4 eingebracht sind, die die erste Trägerschicht 2 wenigstens partiell entlang der Trennlinien 4 vollständig durchdringt. Vorteilhaft sind die Trennlinien 4 mit Laserstrahlung eingebracht und der Trennlinienverlauf ist so gewählt, dass die Trennlinien 4 eine Kennung darstellen.

IPC 8 full level
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CPC (source: EP US)
G09F 3/0292 (2013.01 - EP US); **G09F 3/10** (2013.01 - EP US); **Y10T 156/1057** (2015.01 - EP US); **Y10T 428/2809** (2015.01 - EP US)

Citation (applicant)
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• JP H09176990 A 19970708 - HOKUETSU PAPER MILLS
• DE 29913746 U1 19991118 - WOELFLE DIETER [DE]
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CN111326060A; DE102010047711A1; WO2013186309A1

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