

Title (en)  
Tape splicing device

Title (de)  
Vorrichtung zum Verbinden von Bändern

Title (fr)  
Dispositif de raccordement de bande

Publication  
**EP 1010653 A1 20000621 (EN)**

Application  
**EP 98123910 A 19981216**

Priority  
EP 98123910 A 19981216

Abstract (en)  
The automatic splicing device has a base plate (3) supporting a first reel (1) and a second reel (2) storing primary (1a) and secondary (2a) opaque pull-tab strips, and rollers for guiding a primary pull-tab strip from the first reel (1) to a packaging machine. An infeed device (9) is mounted on the plate (3) downstream of the second reel (2) for retaining an end portion of the secondary pull-tab strip (2a) at a first location, and a clamp retains a translucent heat sealable patch (101) in a second location at a sealing unit (104). A strip cutting unit (11) and a pressure and cutting unit (13) are movably mounted on the plate (3) downstream of the infeed device (9) for cutting the primary pull-tab strip (1a) at a third location, spaced from the first location. The pressure and cutting unit is activated for applying the translucent patch extending across the gap between the ends of the opaque pull-tab strips to form an optically detectable window indicative of the splice position. <IMAGE>

IPC 1-7  
**B65H 19/10**; **B65H 19/18**; **B65H 21/00**; **B65H 26/02**

IPC 8 full level  
**B65H 19/18** (2006.01)

CPC (source: EP)  
**B65H 19/1852** (2013.01); **B65H 19/1873** (2013.01); **B65H 2301/46018** (2013.01); **B65H 2301/4634** (2013.01); **B65H 2801/69** (2013.01)

Citation (search report)  
• [Y] US 4011358 A 19770308 - ROELOFS GLENN E  
• [AY] DE 19618175 C1 19970724 - MULTIVAC HAGGENMUELLER KG [DE]  
• [A] EP 0668213 A2 19950823 - KLIKLOK CORP [US]  
• [YA] PATENT ABSTRACTS OF JAPAN vol. 014, no. 196 (M - 0964) 20 April 1990 (1990-04-20)

Cited by  
CN105398853A; CN113148714A; CN106115327A; CN107055161A; CN117963598A; WO2022205598A1

Designated contracting state (EPC)  
AT CH DE DK ES FR GB IT LI NL PT SE

DOCDB simple family (publication)  
**EP 1010653 A1 20000621**; **EP 1010653 B1 20040331**; AT E263110 T1 20040415; DE 69822847 D1 20040506

DOCDB simple family (application)  
**EP 98123910 A 19981216**; AT 98123910 T 19981216; DE 69822847 T 19981216