

Title (en)  
TEAR BAND FOR PACKAGES

Title (de)  
AUFREISSFADEN FÜR VERPACKUNGEN

Title (fr)  
BANDE DE DECHIRAGE POUR EMBALLAGES

Publication  
**EP 0979195 B1 20011128 (DE)**

Application  
**EP 99916772 A 19990226**

Priority  
• DE 9900591 W 19990226  
• DE 19808288 A 19980227  
• DE 19910158 A 19990226

Abstract (en)  
[origin: WO9943556A2] The invention relates to a tear band for packages comprising distinguishing markings. To counter piracy, especially of brand products, the invention aims to provide packaging with a tear mechanism which presents an opening and closing possibility that is specific to the manufacturer and suitable for determining whether the package has been opened or not. To this end the invention provides for a tear band which before it is joined to the packaging film is stretched at least in sections on the left and/or right side, and/or on the upper side and/or on the lower side, which stretching serves as coding. The number and/or radii and/or height of the waves of the tear band present after tearing constitute coded information. According to a different version of the invention a tear band for packaging is provided with one or more perforated holes serving as coding. According to the invention the tear band is also provided with at least one optically active security element for coding information, which element consists of at least one characteristic colour, a diffracting structure and/or a metallized coat.  
[origin: WO9943556A2] Before the tear-off strip (1) is connected to the packaging film, it is stretched in sections on the left and/or right, on the upper (7) and/or lower side (6). This stretching serves as coding. Number and/or radii and/or height of the waves created before connection and after tearing-open, show coding of information. The tear-off strip may also have a number of punched perforations (5), which may represent company logos or trademarks. The strip may also have metallised sections, and within these sections, numbers or letters are non-metallised. -

IPC 1-7  
**B65D 55/06**; **B65D 77/32**; **B65D 75/66**

IPC 8 full level  
**B65D 55/06** (2006.01); **B65D 65/34** (2006.01); **B65D 75/66** (2006.01); **B65D 77/32** (2006.01)

CPC (source: EP)  
**B65D 75/66** (2013.01); **B65D 2203/00** (2013.01); **B65D 2203/06** (2013.01)

Designated contracting state (EPC)  
AT DE DK ES FR GB IT

DOCDB simple family (publication)  
**DE 19910158 A1 20000831**; **DE 19910158 B4 20071025**; AT E209592 T1 20011215; AT E239648 T1 20030515; AT E246644 T1 20030815; AT E258528 T1 20040215; AU 3515499 A 19990915; BG 103890 A 20000531; BG 103891 A 20000428; BG 103892 A 20000531; BG 63913 B1 20030630; CN 1269314 A 20001011; CN 1269315 A 20001011; CN 1272091 A 20001101; CN 1351948 A 20020605; CZ 295654 B6 20050914; CZ 295725 B6 20051012; CZ 295726 B6 20051012; CZ 420799 A3 20000517; CZ 420899 A3 20000517; CZ 420999 A3 20000517; DE 59900449 D1 20020110; DE 59905497 D1 20030612; DE 59906540 D1 20030911; DE 59908437 D1 20040304; DK 0979195 T3 20020325; DK 1125860 T3 20030901; DK 1136381 T3 20040927; DK 1136382 T3 20031103; EP 0979195 A2 20000216; EP 0979195 B1 20011128; EP 1125860 A1 20010822; EP 1125860 B1 20030507; EP 1136381 A1 20010926; EP 1136381 B1 20040128; EP 1136382 A1 20010926; EP 1136382 B1 20030806; ES 2168012 T3 20020516; ES 2199193 T3 20040216; ES 2204782 T3 20040501; ES 2213078 T3 20040816; HK 1048292 A1 20030328; HU P0303406 A2 20040329; HU P0303406 A3 20050128; HU P9904192 A2 20040329; HU P9904193 A2 20040329; PL 194183 B1 20070531; PL 336925 A1 20000717; RU 2191725 C2 20021027; TR 199902678 T1 20001121; TR 199902679 T1 20001121; TR 199902680 T1 20001121; WO 9943556 A2 19990902; WO 9943556 A3 19991111

DOCDB simple family (application)  
**DE 19910158 A 19990226**; AT 01111378 T 19990226; AT 01111379 T 19990226; AT 01111380 T 19990226; AT 99916772 T 19990226; AU 3515499 A 19990226; BG 10389099 A 19991116; BG 10389199 A 19991116; BG 10389299 A 19991116; CN 00100652 A 20000125; CN 00100653 A 20000125; CN 00100654 A 20000125; CN 99800193 A 19990226; CZ 420799 A 19990226; CZ 420899 A 19990226; CZ 420999 A 19990226; DE 59900449 T 19990226; DE 59905497 T 19990226; DE 59906540 T 19990226; DE 59908437 T 19990226; DE 9900591 W 19990226; DK 01111378 T 19990226; DK 01111379 T 19990226; DK 01111380 T 19990226; DK 99916772 T 19990226; EP 01111378 A 19990226; EP 01111379 A 19990226; EP 01111380 A 19990226; EP 99916772 A 19990226; ES 01111378 T 19990226; ES 01111379 T 19990226; ES 01111380 T 19990226; ES 99916772 T 19990226; HK 02108847 A 20021205; HU P0303406 A 19990226; HU P9904192 A 19990226; HU P9904193 A 19990226; PL 33692599 A 19990226; RU 99122685 A 19990226; TR 9902678 T 19990226; TR 9902679 T 19990226; TR 9902680 T 19990226