

Title (en)
TAMPER EVIDENT SEAL AND TAPE

Title (de)
ORIGINALITÄTS-KLEBEBAND UND VERSCHLUSS

Title (fr)
BANDE ET FERMETURE APPORTANT LA PREUVE DE L'OUVERTURE FRAUDULEUSE

Publication
EP 0773889 B1 19991110 (EN)

Application
EP 95928278 A 19950802

Priority
• US 9509803 W 19950802
• US 28563994 A 19940802
• US 38813695 A 19950213

Abstract (en)
[origin: WO9604177A2] A tape or label for sealing a container that provides visual evidence if the seal is forced open or cooled below a breakdown temperature. The tape includes a plastic strip (20), a layer of ink (22) printed on a surface of the plastic strip, and a layer of pressure-sensitive adhesive (24). The tape can be incorporated into a bag (10) for sealing the bag closed. The tape includes an ink layer that is sandwiched between the plastic strip and the adhesive layer. The adhesive can be secured to portions of a bag to seal it closed. If the seal is forced open, the ink layer visibly delaminates from the plastic strip. The adhesive layer and the plastic strip are chosen to have different rates of shrinking when cooled, so that when the tape is cooled below its breakdown temperature, the ink layer delaminates. In an alternative embodiment of the tap, two layers of ink are printed onto the plastic strip. The first layer of ink is clear and is printed onto the untreated plastic strip in a pattern. The second layer of ink is opaque and is printed uniformly over the plastic strip and the clear ink after the plastic strip is treated.

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CPC (source: EP US)
B65D 33/34 (2013.01 - EP US); **G09F 3/0292** (2013.01 - EP); **B65D 2401/00** (2020.05 - EP)

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