

Title (en)  
TAMPER RESISTANT CLOSURE

Title (de)  
ORIGINALITÄTSVERSCHLUSS

Title (fr)  
FERMETURE INVOLABLE

Publication  
**EP 1091875 A4 20030806 (EN)**

Application  
**EP 99955251 A 19990601**

Priority  
• US 9912110 W 19990601  
• US 8751798 P 19980601

Abstract (en)  
[origin: WO9962768A1] A method and apparatus for forming a tamper resistant seal on a plastic bag containing a loaf of bread or other products is disclosed. The neck (125) of the bag (125b) is flattened, gripped between a pair of upper inboard and outboard gathering belts and a pair of lower inboard and outboard gathering belts adjacent opposite sides of a segment of the neck of the bag. A row of perforations(132) is formed in the bag neck as the bag moves adjacent a roller provided with teeth or cutting elements. Heated air jets are directed to engage the segment of the bag bridging between the inboard and the outboard gathering belts for fusing panels of the bag together to form a sealed strip spaced from the row of perforations in the bag neck to facilitate removal of the sealed strip from the bag.

IPC 1-7  
**B65B 51/00**; **B65B 61/18**

IPC 8 full level  
**B65B 7/02** (2006.01); **B65B 51/00** (2006.01); **B65B 51/10** (2006.01)

CPC (source: EP)  
**B65B 51/00** (2013.01)

Citation (search report)  
• [A] US 4682976 A 19870728 - MARTIN ANDREW MCG [US], et al  
• [A] US 3576694 A 19710427 - GREISMAN SAMUEL  
• [AP] WO 9903731 A1 19990128 - H A HOLMES & CO LIMITED [NZ], et al  
• See references of WO 9962768A1

Designated contracting state (EPC)  
DE DK ES FI FR GB IE IT NL SE

DOCDB simple family (publication)  
**WO 9962768 A1 19991209**; AU 4324899 A 19991220; AU 763499 B2 20030724; BR 9910788 A 20020205; CA 2333754 A1 19991209; CA 2333754 C 20071120; DE 69926893 D1 20050929; DE 69926893 T2 20060614; DK 1091875 T3 20051219; EP 1091875 A1 20010418; EP 1091875 A4 20030806; EP 1091875 B1 20050824; ES 2249036 T3 20060316; HK 1036439 A1 20020104; JP 2002516789 A 20020611; JP 4568428 B2 20101027; MX PA00011890 A 20050715

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