

Title (en)  
Bag opening method and apparatus

Title (de)  
Verfahren und Vorrichtung zum Oeffnen eines Beutels

Title (fr)  
Méthode et dispositif pour ouvrir un sac

Publication  
**EP 0761554 B1 20010314 (EN)**

Application  
**EP 96305921 A 19960813**

Priority  
• US 52205395 A 19950831  
• US 52248095 A 19950831

Abstract (en)  
[origin: EP0761554A1] A bag (10) includes a first panel (12) with at least one access hole (30) in it, and a second panel (14) without a hole corresponding to the at least one hole of the first panel. Preferably, two holes are present, more preferably near the bag mouth. The panels are substantially equal in length. The bag can be easily opened by described bag opening means, without the need for vacuum or air to open the bag, these means passing through the hole and pushing the adjacent panel. The bag may include the first panel (12) with a first hole (30a), and the second panel (14) with a second hole (30b) offset with respect to the first hole. The bag can be easily opened by described bag opening means, without the need for vacuum or air to open the bag. The bag can be used in conjunction with otherwise conventional taped bag systems. A method of making the bag, a bag opening system, a method of opening the bag, and a packaging system are also disclosed. <IMAGE>

IPC 1-7  
**B65D 33/00**; **B65B 43/28**; **B31B 1/14**

IPC 8 full level  
**B31B 1/14** (2006.01); **B31B 23/00** (2006.01); **B65B 43/28** (2006.01); **B65D 33/00** (2006.01)

CPC (source: EP US)  
**B31B 70/00** (2017.08 - EP); **B65B 43/28** (2013.01 - EP US); **B65D 33/007** (2013.01 - EP); **B31B 2155/00** (2017.08 - EP); **B31B 2155/0012** (2017.08 - EP); **B31B 2160/10** (2017.08 - EP); **B31B 2160/106** (2017.08 - EP US)

Citation (examination)  
DE 3149809 A1 19830721 - BOSCH GMBH ROBERT [DE]

Cited by  
KR100391971B1; CN110506006A; CN108394129A

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)  
**EP 0761554 A1 19970312**; **EP 0761554 B1 20010314**; AR 003396 A1 19980708; AT E199692 T1 20010315; AT E217575 T1 20020615; CA 2183831 A1 19970301; CA 2183831 C 20050726; DE 69612046 D1 20010419; DE 69612046 T2 20010719; DE 69621261 D1 20020620; DE 69621261 T2 20020919; EP 0985522 A1 20000315; EP 0985522 B1 20020515; ES 2155922 T3 20010601; MX 9603577 A 19970628

DOCDB simple family (application)  
**EP 96305921 A 19960813**; AR 10418496 A 19960830; AT 96305921 T 19960813; AT 99120690 T 19960813; CA 2183831 A 19960821; DE 69612046 T 19960813; DE 69621261 T 19960813; EP 99120690 A 19960813; ES 96305921 T 19960813; MX 9603577 A 19960822