

Title (en)

Process for making bags with closure

Title (de)

Verfahren zur Herstellung verschliessbarer Beutel

Title (fr)

Procédé de formation de sachets d'emballage avec dispositif de fermeture

Publication

**EP 0951989 B1 20080319 (FR)**

Application

**EP 99400946 A 19990419**

Priority

- FR 9804913 A 19980420
- FR 9806292 A 19980519

Abstract (en)

[origin: EP0951989A1] The procedure for manufacturing a film (50) intended to form sachets consists of moving the film and fixing sequentially on it and transverse to its displacement direction (D) a closing device (1). This device includes a first band (2) supporting a male closing section (10) engaging another complementary female closing section supported by a second band (4). Each band comprises a thin transparent section (6,8) extending laterally on one side of the sections supported by each band.

IPC 8 full level

**B31B 19/90** (2006.01); **B65D 33/25** (2006.01); **B65B 9/20** (2006.01)

CPC (source: EP US)

**B65B 9/20** (2013.01 - EP US); **B65B 61/188** (2013.01 - EP US); **B65D 33/2508** (2013.01 - EP US); **B65D 33/2525** (2013.01 - EP US); **B65D 33/2533** (2013.01 - EP US); **B65D 33/2541** (2013.01 - EP US); **B31B 70/8133** (2017.07 - EP US)

Citation (examination)

US 5431760 A 19950711 - DONOVAN TERRY J [US]

Cited by

WO2004013007A1; FR2820005A1; EP1300341A1; EP1266836A1; US7086782B2; EP1123796A3; GB2406326A; GB2406326B; GB2406326A8; US7101079B2; US6588176B1; US6792740B2; US7470063B2; US6901637B2; US7207718B2

Designated contracting state (EPC)

CH DE ES FR GB IE IT LI NL

DOCDB simple family (publication)

**EP 0951989 A1 19991027**; **EP 0951989 B1 20080319**; DE 69938373 D1 20080430; FR 2777499 A1 19991022; FR 2777499 B1 20000707; US 2002072460 A1 20020613; US 2004023772 A1 20040205; US 2004023776 A1 20040205; US 2004023777 A1 20040205; US 2004038791 A1 20040226; US 6928791 B2 20050816; US 6983574 B2 20060110

DOCDB simple family (application)

**EP 99400946 A 19990419**; DE 69938373 T 19990419; FR 9806292 A 19980519; US 4011702 A 20020104; US 62911903 A 20030729; US 62921303 A 20030729; US 62921603 A 20030729; US 64699903 A 20030822