

Title (en)

Easy opening closure, container provided with such closure

Title (de)

Leicht zu öffnender Verschluss, Behälter mit einem solchen Verschluss

Title (fr)

Fermeture à ouverture facile, récipient équipé d'une telle fermeture

Publication

**EP 1308226 A1 20030507 (EN)**

Application

**EP 01204232 A 20011106**

Priority

EP 01204232 A 20011106

Abstract (en)

The invention relates to an easy opening closure, comprising a closure having a folding rim and a circumferential score line having a score residual (t) over the thickness of the closure in the score line, enclosing a removable central closure part; and a tab connected to the central closure part, which score line has a pop zone in which the tab pops a section of the central closure along the score line and the pop zone comprises a pop ignition zone adjacent to the tab, in clock-wise and anti-clock-wise direction subsequent tear zones in which using the tab the central closure part is torn off from the closure along the score line and eventually looses from the closure, wherein the tear zones comprise each a tear ignition zone adjacent the respective pop zone, and wherein the score residual (t) in the tear ignition zones is reduced relative to the score residual in the pop ignition zone, to a container, provided with such easy opening closure and to an apparatus for producing same. <IMAGE>

IPC 1-7

**B21D 51/38**; **B65D 17/40**

IPC 8 full level

**B21D 51/38** (2006.01); **B21D 51/44** (2006.01); **B65D 17/34** (2006.01); **B65D 17/40** (2006.01)

CPC (source: EP US)

**B21D 51/383** (2013.01 - EP US); **B65D 17/404** (2017.12 - EP US)

Citation (search report)

- [A] WO 9855366 A1 19981210 - CROWN CORK & SEAL TECH CORP [US], et al
- [XAY] US 4503989 A 19850312 - BROWN OMAR L [US], et al
- [YA] US 3688718 A 19720905 - SCHRECKER HOWARD D
- [A] GB 1217295 A 19701231 - ALUMINUM CO OF AMERICA [US]
- [A] WO 0178918 A1 20011025 - CROWN CORK & SEAL TECH CORP [US]
- [A] US 6234337 B1 20010522 - HUBER WILLIAM [US], et al
- [A] US 4055134 A 19771025 - OSTREM OBERT M, et al
- [A] US 4122791 A 19781031 - BROWN OMAR L
- [A] US 3359773 A 19671226 - LESLIE STUCHBERY ARTHUR
- [A] FR 2079293 A1 19711112 - RASSELSTEIN AG

Cited by

FR3022895A1; RU2676661C2; WO2016001562A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1308226 A1 20030507**; CA 2465963 A1 20030515; CN 1286594 C 20061129; CN 1596162 A 20050316; JP 2005507833 A 20050324; MX PA04004259 A 20041129; US 2005082291 A1 20050421; WO 03039785 A1 20030515

DOCDB simple family (application)

**EP 01204232 A 20011106**; CA 2465963 A 20021009; CN 02823887 A 20021009; EP 0211341 W 20021009; JP 2003541667 A 20021009; MX PA04004259 A 20021009; US 49464204 A 20041029