

Title (en)

COMPOSITE STOPPER WITH CONTROLLED PERMEABILITY

Title (de)

MEHRTEILIGER VERSCHLUSSSTOPFEN MIT KONTROLLIERTER DURCHLÄSSIGKEIT

Title (fr)

BOUCHON COMPOSITE A PERMEABILITE CONTROLEE

Publication

EP 1135301 B1 20040331 (FR)

Application

EP 99958243 A 19991203

Priority

- FR 9903014 W 19991203
- FR 9815351 A 19981204

Abstract (en)

[origin: US6601722B1] A composite stopper for closing bottles, in particular wine bottles, comprising a body made of a compressible material such as cork, provided at least at its end facing the contents of the bottle to be closed with matching element forming a joint. The element (25) is made from a substantially incompressible elastomer, filling up a cavity arranged circular in shape and a concentric position in the end surface (24) of the stopper body (22) and having a volume such that the element, under the effect of compression where to the stopper body is subjected when the bottle is closed, is elastically deformed at the front of the end surface, so as to produce after closure, at the front of the cork body end surface, a sealing joint covering the whole of the end surface and in contact the bottle neck inner surface (26). The invention is useful for closing bottles of sparkling or non-sparking wine.

IPC 1-7

B65D 39/00

IPC 8 full level

B65D 39/00 (2006.01); **B65D 51/00** (2006.01)

CPC (source: EP US)

B65D 39/00 (2013.01 - EP US); **B65D 39/0011** (2013.01 - EP US); **B65D 51/005** (2013.01 - EP US); **B65D 2539/008** (2013.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

US 6601722 B1 20030805; AR 021868 A1 20020807; AT E263072 T1 20040415; AU 1565500 A 20000626; AU 759563 B2 20030417; CN 1117013 C 20030806; CN 1328517 A 20011226; DE 69916102 D1 20040506; DE 69916102 T2 20041118; DZ 2956 A1 20040315; EP 1135301 A1 20010926; EP 1135301 B1 20040331; ES 2219084 T3 20041116; FR 2786753 A1 20000609; FR 2786753 B1 20010119; HK 1040386 A1 20020607; HK 1040386 B 20031128; MA 25774 A1 20030701; PT 1135301 E 20040831; TN SN99226 A1 20011231; WO 0034140 A1 20000615; ZA 200104615 B 20020116

DOCDB simple family (application)

US 85744401 A 20010604; AR P990106138 A 19991202; AT 99958243 T 19991203; AU 1565500 A 19991203; CN 99813662 A 19991203; DE 69916102 T 19991203; DZ 990256 A 19991201; EP 99958243 A 19991203; ES 99958243 T 19991203; FR 9815351 A 19981204; FR 9903014 W 19991203; HK 02101747 A 20020307; MA 26210 A 20010523; PT 99958243 T 19991203; TN SN99226 A 19991202; ZA 200104615 A 20010606