

Title (en)

METHOD FOR TIGHTLY SEALING AN ARRANGEMENT OF A CONTAINER AND PLUG BY HEAT SHRINKING OF TWO CONICAL BEARING SURFACES AND ARRANGEMENT CONTAINER-PLUG DESIGNED FOR CARRYING OUT THIS METHOD

Publication

EP 0101362 B1 19861203 (FR)

Application

EP 83401567 A 19830728

Priority

FR 8213752 A 19820806

Abstract (en)

[origin: EP0101362A1] 1. Method for sealing and opening a container/stopper assembly, the container having an opening (6), the stopper (8) and the opening (6) both having a slight conicity of the order of 1 to 2 degrees, this method comprising the following successive stages : a) a thermal disequilibrium is created between the stopper and the walls of the opening so as to cause relative expansion of the opening in relation to the stopper ; b) the stopper is inserted into the opening until it reaches a predetermined axial position which corresponds, after the thermal equilibrium has been restored, to a predetermined degree of tightness ; c) the thermal equilibrium is restored between the stopper and the opening ; d) the stopper is removed by causing renewed relative expansion between the stopper and the opening.

IPC 1-7

G21F 5/00

IPC 8 full level

F16J 13/02 (2006.01); **G21F 5/12** (2006.01)

CPC (source: EP)

G21F 5/12 (2013.01)

Cited by

US8923470B2; CN110270828A; FR2801133A1; FR2931992A1; FR2715762A1; US5567952A; US2011077449A1; CN102047343A; US6628198B2; WO9739456A1; WO2009144256A1; WO9521449A1; EP0169440B1

Designated contracting state (EPC)

BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0101362 A1 19840222; EP 0101362 B1 19861203; DE 3368142 D1 19870115; FR 2531404 A1 19840210; FR 2531404 B1 19860606; JP H0676834 B2 19940928; JP S59131066 A 19840727

DOCDB simple family (application)

EP 83401567 A 19830728; DE 3368142 T 19830728; FR 8213752 A 19820806; JP 14180883 A 19830802