

Title (en)

Method and apparatus for the automatic assembly of cup-like bodies.

Title (de)

Verfahren und Vorrichtung für das automatische Zusammensetzen von becherförmigen Körpern.

Title (fr)

Procédé et dispositif pour l'assemblage automatique de corps en forme de coques.

Publication

EP 0631932 A1 19950104 (EN)

Application

EP 94109003 A 19940613

Priority

IT TO930469 A 19930629

Abstract (en)

For the automatic assembly of containers which comprise two generally cup-like bodies (2, 3) which fit together by engagement of their open ends, a structure (11) is provided which defines a duct in which the bodies (2, 3) are made to advance against each other by pusher means (15, 16). The duct has at least one radially-contractible portion (18) whereby, during the end-to-end engagement of the two cup-like bodies (2, 3), elements (S, F) contained in at least one body and liable to project radially from the open ends which are coupled radially, are contained, thereby avoiding any interference with the end-to-end engagement movement. <IMAGE>

IPC 1-7

B65B 7/28; A61J 3/07

IPC 8 full level

A61J 3/07 (2006.01); **B65B 7/28** (2006.01)

CPC (source: EP)

A61J 3/074 (2013.01); **B65B 7/28** (2013.01)

Citation (search report)

- [X] GB 883467 A 19611129 - HOEFLIGER OTTO, et al
- [X] FR 2023426 A1 19700821 - LILLY CO ELI
- [X] US 3527015 A 19700908 - ARONSON THEODORE F, et al
- [A] US 3707825 A 19730102 - SIZEMORE W, et al
- [A] US 4168599 A 19790925 - KING JAMES F
- [A] DE 2708147 A1 19770908 - ZANASI NIGRIS SPA

Cited by

CN102958809A; MD4528B1; MD4529B1; US7523838B2; WO2014174422A1; WO2010109370A1; WO2006092451A1; WO03024566A1; WO2012001581A1; WO2012001582A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0631932 A1 19950104; EP 0631932 B1 19970108; AT E147340 T1 19970115; DE 4421982 A1 19950112; DE 4421982 C2 20000302; DK 0631932 T3 19970616; ES 2096975 T3 19970316; GR 3022676 T3 19970531; IT 1260882 B 19960429; IT TO930469 A0 19930629; IT TO930469 A1 19941229; SI 0631932 T1 19990228

DOCDB simple family (application)

EP 94109003 A 19940613; AT 94109003 T 19940613; DE 4421982 A 19940623; DK 94109003 T 19940613; ES 94109003 T 19940613; GR 970400364 T 19970226; IT TO930469 A 19930629; SI 9430024 T 19940613