

Title (en)

PROCESS AND DEVICE FOR STERILIZING AND FILLING LIQUID PACKAGES AND THEIR USE WITH A SPECIAL PACKAGE.

Title (de)

VERFAHREN ZUM STERILISIEREN UND FÜLLEN VON FLIESSMITTELPACKUNGEN, VORRICHTUNG HIERFÜR UND VERWENDUNG BEI EINER BESONDEREN PACKUNG.

Title (fr)

PROCEDE ET DISPOSITIF DE STERILISATION ET DE REMPLISSAGE D'EMBALLAGES POUR LIQUIDES ET LEUR UTILISATION AVEC UN EMBALLAGE SPECIAL.

Publication

EP 0682622 A1 19951122 (DE)

Application

EP 94907515 A 19940208

Priority

- DE 4304220 A 19930212
- EP 9400353 W 19940208

Abstract (en)

[origin: US5653091A] PCT No. PCT/EP94/00353 Sec. 371 Date Sep. 22, 1995 Sec. 102(e) Date Sep. 22, 1995 PCT Filed Feb. 8, 1994 PCT Pub. No. WO94/18075 PCT Pub. Date Aug. 18, 1994A process for sterilizing and filling packages (1) for flowable media, open on one side, under the influence of pulsating light and use of a filler pipe (5) is improved to the effect that treatment by chemical media together with its associated disadvantages is avoided. For this, the package (1), enclosing the filler pipe (5) and the light source (7), is moved sufficiently far relatively to the filler pipe (5) and to the light source (7) for the bottom edge (16) of the filler pipe (5) and the light source (7) to be located near to the closed end (3) of the package, sterile gas is blown into the package (1) and the light is allowed to take effect, and after shutting off the light source (7), the light source (7) is moved along in one direction and the package (1), being filled, is moved in the other direction, then closed and transported onwards.

IPC 1-7

B65B 55/08

IPC 8 full level

B65B 55/08 (2006.01); **B65B 55/04** (2006.01); **B65B 55/10** (2006.01)

CPC (source: EP US)

B65B 55/04 (2013.01 - EP US)

Citation (search report)

See references of WO 9418075A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

US 5653091 A 19970805; AT E158245 T1 19971015; AU 6107294 A 19940829; AU 680473 B2 19970731; BR 9405828 A 19960116; CA 2155410 A1 19940818; DE 4304220 A1 19940818; DE 4304220 C2 19970918; DE 59404095 D1 19971023; EP 0682622 A1 19951122; EP 0682622 B1 19970917; ES 2107189 T3 19971116; JP 3485323 B2 20040113; JP H08506309 A 19960709; WO 9418075 A1 19940818

DOCDB simple family (application)

US 50110995 A 19950922; AT 94907515 T 19940208; AU 6107294 A 19940208; BR 9405828 A 19940208; CA 2155410 A 19940208; DE 4304220 A 19930212; DE 59404095 T 19940208; EP 9400353 W 19940208; EP 94907515 A 19940208; ES 94907515 T 19940208; JP 51765694 A 19940208