

Title (en)
FLOWBACK METHOD IN A FILLING MACHINE AND FILLING MACHINE FOR CARRYING OUT SAID METHOD

Title (de)
VERFAHREN ZUM ZURÜCKDRÄNGEN VON PRODUKTEN IN EINER ABFÜLLMASCHINE UND ABFÜLLMASCHINE ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)
PROCEDE DE REFOULEMENT DANS UNE MACHINE DE REMPLISSAGE ET MACHINE DE REMPLISSAGE POUR LA MISE EN OEUVRE D'UN TEL PROCEDE

Publication
EP 1173382 B1 20030402 (FR)

Application
EP 99958266 A 19991207

Priority
• FR 9903048 W 19991207
• FR 9900117 A 19990106

Abstract (en)
[origin: US6453953B1] A flowback method for a product contained in the distribution circuit of a filling machine. The distribution circuit (22, 24, 26, 28, 30) creates an upstream/downstream link between a storage tank for said product and a filling tube (22) that is placed opposite the opening of a receptacle (12) that is to be filled. The method includes a step whereby a closed area around the filling tube (22) is defined by a sealed housing (38). The method further includes a step whereby a circulating liquid is injected into the above-mentioned area under pressure. The liquid passes through an auxiliary port (70), whereupon the product contained in the distribution method (22, 24, 26, 28, 30) flows back in the direction of the storage tank.

IPC 1-7
B67C 3/00; **B65B 55/02**

IPC 8 full level
B67C 3/02 (2006.01); **B65B 55/02** (2006.01); **B67C 3/00** (2006.01); **B67C 3/22** (2006.01)

CPC (source: EP KR US)
B65B 55/02 (2013.01 - EP US); **B67C 3/001** (2013.01 - EP US); **B67C 3/26** (2013.01 - KR)

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 6453953 B1 20020924; AT E236074 T1 20030415; AU 1567100 A 20000724; BR 9916775 A 20011030; CA 2358549 A1 20000713; CA 2358549 C 20040629; DE 69906589 D1 20030508; DE 69906589 T2 20031224; EP 1173382 A1 20020123; EP 1173382 B1 20030402; ES 2196889 T3 20031216; FR 2788049 A1 20000707; FR 2788049 B1 20010126; JP 2002534328 A 20021015; JP 3462856 B2 20031105; KR 100452842 B1 20041014; KR 20020001715 A 20020109; PT 1173382 E 20030829; WO 0040503 A1 20000713

DOCDB simple family (application)
US 86983801 A 20010706; AT 99958266 T 19991207; AU 1567100 A 19991207; BR 9916775 A 19991207; CA 2358549 A 19991207; DE 69906589 T 19991207; EP 99958266 A 19991207; ES 99958266 T 19991207; FR 9900117 A 19990106; FR 9903048 W 19991207; JP 2000592219 A 19991207; KR 20017008555 A 20010705; PT 99958266 T 19991207