

Title (en)
METHOD FOR DURABILITY TREATMENT OF A PUMPABLE MATERIAL AS WELL AS A DEVICE THEREFORE

Title (de)
VERFAHREN ZUR HALTBARKEITSBEHANDLUNG EINES PUMPBAREN STOFFES SOWIE VORRICHTUNG DAFÜR

Title (fr)
PROCEDE DE TRAITEMENT DE DURABILITE D'UNE MATIERE POMPABLE ET DISPOSITIF ASSOCIE

Publication
EP 1503635 A1 20050209 (EN)

Application
EP 03723584 A 20030502

Priority
• SE 0300711 W 20030502
• SE 0201357 A 20020506
• US 38032802 P 20020513

Abstract (en)
[origin: WO03092415A1] The invention relates to a method for durability treatment or sterilisation of a pumpable material by high pressure treatment of the same in a high pressure press for killing and/or inactivating harmful microorganisms and enzymes in the material. In the method, the pumpable material is filled into a flexible bulk container (1) with a larger volume than the end-user or consumer containers in which the material is intended to be packed. Then the bulk container is placed in a high pressure press and subjected to high pressure treatment at a pressure of at least 2000 bar. After completed high pressure treatment, the bulk container is removed from the press. Finally, sterile emptying of the pumpable material from the bulk container is effected by arranging in a sterile manner at least one connecting means (14) on the bulk container which via a tube (17) connects the interior of the bulk container with an emptying system, for the purpose of filling the pumpable material into the end-user or consumer containers or into an intermediate storage tank. The invention also relates to a device for performing sterile emptying in connection with the durability treatment.

IPC 1-7
A23L 3/015; B67B 7/48; B67B 7/88; B67C 9/00

IPC 8 full level
A23L 3/015 (2006.01); **A61L 2/00** (2006.01); **A61L 2/02** (2006.01); **B67B 7/48** (2006.01); **B67B 7/88** (2006.01)

CPC (source: EP)
A23L 3/0155 (2013.01); **A61L 2/0011** (2013.01); **A61L 2/02** (2013.01)

Citation (search report)
See references of WO 03092415A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 03092415 A1 20031113; AU 2003230513 A1 20031117; EP 1503635 A1 20050209

DOCDB simple family (application)
SE 0300711 W 20030502; AU 2003230513 A 20030502; EP 03723584 A 20030502