

Title (en)
Aseptic filling machine

Title (de)
Maschine zum aseptischen Abfüllen

Title (fr)
Machine de remplissage aseptique

Publication
EP 1468959 A2 20041020 (EN)

Application
EP 04005910 A 20020422

Priority
EP 02008930 A 20020422

Abstract (en)
The invention described in this paper introduces a new aseptic packing technology for plastic bottles made of PET, PE, PEHD, polypropylene or other hygienically compatible plastics. In order to apply this technology to aseptic product packing lines, a special system configuration of the product packing machine is required: an aseptic room (C1,C2) is to be created inside the machine, where sterile air (E) constantly flows into. Its structure consists of one stationary section (B) and one rotating section (A) whose special configurations create a volume where the bottle filling process takes place. <IMAGE>

IPC 1-7
B67C 7/00

IPC 8 full level
B67C 7/00 (2006.01); **B67C 3/26** (2006.01)

CPC (source: EP)
B67C 7/0073 (2013.01); **B67C 2003/228** (2013.01); **B67C 2003/2694** (2013.01); **B67C 2003/2697** (2013.01)

Cited by
US12006200B2; CN107848784A; EP1820771A1; US10800642B2; US9745183B2; EP3757024A1; CN114072351A; JP2022538296A; US2022356054A1; WO2013167219A1; WO2011029609A3; WO2017072353A3; WO2009146823A1; WO2020260432A1; EP2465545B1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1468959 A2 20041020; **EP 1468959 A3 20041103**; **EP 1468959 B1 20070919**; AT E289278 T1 20050315; AT E373621 T1 20071015; DE 60202995 D1 20050324; DE 60202995 T2 20050707; DE 60222588 D1 20071031; DE 60222588 T2 20080131; EP 1357081 A1 20031029; EP 1357081 B1 20050216; ES 2233737 T3 20050616; ES 2289376 T3 20080201

DOCDB simple family (application)
EP 04005910 A 20020422; AT 02008930 T 20020422; AT 04005910 T 20020422; DE 60202995 T 20020422; DE 60222588 T 20020422; EP 02008930 A 20020422; ES 02008930 T 20020422; ES 04005910 T 20020422