

Title (en)

Rotating filling head with aseptic filling chamber

Title (de)

Rotationsfüller mit aseptischer Füllkammer

Title (fr)

Embouteilleuse rotative avec chambre de remplissage aseptique

Publication

EP 0893396 B1 20030122 (DE)

Application

EP 98112200 A 19980701

Priority

DE 29713155 U 19970724

Abstract (en)

[origin: US6026867A] In order to provide a rotary filling machine, as used for bottling liquids, by means of which high-purity bottling conditions can be maintained, an ultraclean room is provided and implemented in the area of the path on which the bottles circulate, the upper ceiling wall of said ultraclean room being defined, at least partially, by the lower surface of an annular vessel storing the liquid to be bottled and by the lower surface of the filling valves arranged immediately below said annular vessel.

IPC 1-7

B67C 7/00

IPC 8 full level

B65B 55/04 (2006.01); **B65B 31/04** (2006.01); **B67C 3/00** (2006.01); **B67C 3/02** (2006.01); **B67C 7/00** (2006.01); **B67C 3/26** (2006.01)

CPC (source: EP US)

B67C 3/02 (2013.01 - EP US); **B67C 7/0073** (2013.01 - EP US); **B67C 2003/2691** (2013.01 - EP US)

Cited by

DE102006044592A1; DE102010006319A1; EP1262447A3; CN107848784A; EP2664578A1; CN103420318A; EP2082986A1; EP2082987A1; WO2010102756A2; DE102008050113A1; DE102008050116A1; WO2017072353A3; WO03024860A1; US10800642B2; US8281667B2; DE102008016235A1; WO2009118394A1; DE102008050115A1; US8985990B2; US9505162B2; US10486357B2; US11072106B2; EP2307304B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 6026867 A 20000222; AT E231473 T1 20030215; DE 29713155 U1 19980910; DE 59806976 D1 20030227; EP 0893396 A1 19990127; EP 0893396 B1 20030122; ES 2189041 T3 20030701; JP 2918548 B2 19990712; JP H1191876 A 19990406

DOCDB simple family (application)

US 11651998 A 19980716; AT 98112200 T 19980701; DE 29713155 U 19970724; DE 59806976 T 19980701; EP 98112200 A 19980701; ES 98112200 T 19980701; JP 20986298 A 19980724