

Title (en)

Apparatus for sterilising movable means in bottling machines

Title (de)

Vorrichtung zum Sterilisieren beweglicher Teile in Füllmaschinen

Title (fr)

Dispositif pour stériliser des pièces mobiles de machines de remplissage

Publication

EP 1262447 A3 20030305 (EN)

Application

EP 02011751 A 20020527

Priority

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- EP 01830347 A 20010530

Abstract (en)

[origin: EP1262447A2] An apparatus for the sterilisation of movable means (12, 50) and provided with alternating motion and able to pass from a sterile area (23) to a non sterile area, is characterised in that it comprises heating means (25, 26) acting in correspondence with a localised and restricted area of the movable means (12, 50) proximate to the sterile area (23) to keep it at such a temperature as to guarantee its sterility so that the remaining part of each movable means (12, 50) is not heated by the heating means (25, 26). The movable means can be the drawing rods of a blower, the stems (50) of a jack for lifting containers in a filling machine, or the shafts (12) supporting a capping head. <IMAGE>

IPC 1-7

B67C 7/00

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CPC (source: EP)

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Citation (search report)

- [X] DE 1211963 B 19660303 - SEITZ WERKE GMBH
- [A] US 6214282 B1 20010410 - KATOU TAKAAKI [JP], et al
- [A] EP 0893396 A1 19990127 - KRONES AG [DE]
- [A] EP 0405402 A2 19910102 - TOYO SEIKAN KAISHA LTD [JP]
- [A] DE 696569 C 19400924 - PHIL NAT WILHELM KRAEMER DR
- [A] DE 3701915 A1 19880804 - FINNAH GMBH [DE]
- [A] US 5962039 A 19991005 - KATOU TAKAAKI [JP], et al

Cited by

US8985990B2; WO2010009817A1; US9505162B2; US10486357B2; US11072106B2

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