

Title (en)

Method of cleaning bottles or similar containers and a machine for cleaning

Title (de)

Verfahren zum Reinigen von Flaschen o. dgl. Behälter sowie Reinigungsmaschine

Title (fr)

Procédé pour nettoyer des bouteilles ou des conteneurs similaires et une machine de nettoyage

Publication

EP 1600219 A3 20070328 (DE)

Application

EP 05008966 A 20050423

Priority

DE 102004026565 A 20040529

Abstract (en)

[origin: EP1600219A2] The bottles or other containers (2) are arranged in receptacles of container holders (4) in a cleaning machine. The cleaned containers (2) are treated with an alcoholic treatment medium at least on their inside and/or mouth region. The treatment is performed in a treatment zone (16) arranged before the container output in the conveying direction.

IPC 8 full level

B08B 9/30 (2006.01); **A61L 2/18** (2006.01); **B08B 3/08** (2006.01); **B08B 9/34** (2006.01); **B65B 55/24** (2006.01); **F26B 21/00** (2006.01)

CPC (source: EP KR)

B08B 3/08 (2013.01 - KR); **B08B 5/02** (2013.01 - KR); **B08B 9/30** (2013.01 - EP KR); **B08B 9/34** (2013.01 - EP KR); **F26B 21/006** (2013.01 - EP KR)

Citation (search report)

- [XY] US 2002026953 A1 20020307 - MUSHI TAKANORI [JP], et al
- [Y] EP 0428784 A1 19910529 - CFM TECHNOLOGIES INC [US]
- [YA] US 2003165400 A1 20030904 - HAYAKAWA ATSUSHI [JP], et al
- [YA] US 6514353 B1 20030204 - GREEN II NEWTON B [US], et al
- [YA] DE 3932341 A1 19900412 - SEITZ ENZINGER NOLL MASCH [DE]

Cited by

KR100725470B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 05008966 A 20050423; CN 200510074613 A 20050530; DE 102004026565 A 20040529; JP 2005137137 A 20050510; KR 20050045315 A 20050528