

Title (en)

Device for the automatic cleaning of bottles and installation using the same

Title (de)

Vorrichtung zur automatischen Reinigung von Flaschen und diese Vorrichtung enthaltendes System

Title (fr)

Dispositif pour le nettoyage automatique de bouteilles et installation mettant en oeuvre ce dispositif

Publication

EP 1354642 A3 20041222 (FR)

Application

EP 03100891 A 20030403

Priority

FR 0204783 A 20020417

Abstract (en)

[origin: EP1354642A2] The bottle cleaner, consisting of a conveyor (1), a water spray bar, and a rotary brush (5) set in a sealed housing, has a number of vertical vanes (11), rotated by a central drive shaft, and horizontal guides (7, 8, 9) with curved surfaces. The vertical vanes keep the bottles in contact with the brush and the guides allow them to rotate as they pass through the cleaning unit. The upper guides (8, 9) can be adjusted to accommodate bottles of different diameters and heights by fitting them on horizontal sliders (10).

IPC 1-7

B08B 9/36

IPC 8 full level

B08B 9/30 (2006.01); **B08B 9/36** (2006.01)

CPC (source: EP)

B08B 9/30 (2013.01); **B08B 9/36** (2013.01)

Citation (search report)

- [YA] FR 2482576 A1 19811120 - GIAMELLO BRUNO [IT]
- [YA] DE 1482652 A1 19690116 - OTTO SIK METALLWARENFABRIK FA
- [A] DE 152154 C
- [A] EP 0018545 A1 19801112 - IN NOME COLLETTIVO F I M E DI [IT]

Cited by

CN104096701A; CN110479718A; CN114289433A

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)

EP 1354642 A2 20031022; **EP 1354642 A3 20041222**; FR 2838659 A1 20031024; FR 2838659 B1 20040723

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