

Title (en)

Method for the upside down treatment of bottles or similar containers

Title (de)

Vorrichtung zur Überkopf-Behandlung von Flaschen oder dergleichen Behältern

Title (fr)

Procédé pour le traitement col en bas de bouteilles ou conteneurs similaires

Publication

**EP 1129794 A3 20030709 (DE)**

Application

**EP 00127316 A 20001213**

Priority

DE 10010215 A 20000302

Abstract (en)

[origin: EP1129794A2] The nozzles (9) of the device for CIP cleaning are movable from a work position across or perpendicular to the movement of the support (1) into a cleaning position whereby the spray nozzles of two adjoining nozzle assemblies (11) can each be connected together through a CIP connecting element. The nozzle assemblies can be spread out on a support rotating about a vertical machine axis (VA) so that the spray nozzles move in and out relative to the machine axis between the work and cleaning positions.

IPC 1-7

**B08B 9/34**

IPC 8 full level

**B08B 9/34** (2006.01); **B67C 3/00** (2006.01)

CPC (source: EP)

**B08B 9/34** (2013.01); **B67C 3/001** (2013.01)

Citation (search report)

- [X] US 5363866 A 19941115 - EGGER WALTER C [CH]
- [E] DE 10008982 A1 20010913 - MAIER JOHANN [DE], et al
- [X] DE 2825562 A1 19800103 - HOLSTEIN & KAPPERT MASCHF
- [A] DE 19613267 A1 19971009 - KHS MASCH & ANLAGENBAU AG [DE]
- [A] CH 207979 A 19391231 - BRASS CAV S A [CH]
- [A] FR 383789 A 19080317 - GASTON BARBOU FILS [FR]
- [A] US 5441063 A 19950815 - FERNANDEZ ANTONIO [US], et al

Cited by

EP2719655A1; EP2465813A1; CN102537417A; WO2012097966A1

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 1129794 A2 20010905; EP 1129794 A3 20030709; EP 1129794 B1 20081001**; DE 10010215 A1 20010906; DE 50015379 D1 20081113

DOCDB simple family (application)

**EP 00127316 A 20001213**; DE 10010215 A 20000302; DE 50015379 T 20001213