

Title (en)
Bottle cleaning device.

Title (de)
Vorrichtung zum Reinigen von Flaschen.

Title (fr)
Dispositif pour le nettoyage de bouteilles.

Publication
EP 0018545 A1 19801112 (EN)

Application
EP 80102052 A 19800417

Priority
IT 4005379 A 19790424

Abstract (en)
The method foresees an alternate vertical movement of the bottles which are made rotate at same time. The cleaning of the bottles is obtained by virtue of rotating brushes (23) inserted inside the bottles and of hot water jets on the inside and on the outside of the bottles. The device, which works automatically, comprises two vertical movable frames (8, 17): the upper frame (8) supports the overturned bottle, which is made rotate by an elastic bursh (23) inserted into it; this brush is fastened to a hollow shaft (24), which feeds the cleaning water into the bottle. This shaft is surrounded by a sleeve (20, 21) which is fastened to the inner frame (17) and houses the brush (23) when the bottle is introduced in or removed from the machine. A pipe (35) placed at the outside of the bottle has three nozzles (32, 33, 34) which throw water jets on the bottom and on the labels of the bottle; a fixed comb (26,27) scrapes off the labels.

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B67C 1/08; **B67C 1/10**

IPC 8 full level
B08B 9/08 (2006.01); **B08B 9/28** (2006.01); **B08B 9/36** (2006.01); **B08B 9/38** (2006.01)

CPC (source: EP)
B08B 9/083 (2013.01); **B08B 9/28** (2013.01); **B08B 9/36** (2013.01); **B08B 9/38** (2013.01)

Citation (search report)
• FR 1120152 A 19560702 - CONST MECANIKUES DU RHONE SOC
• DE 312109 C
• DE 197542 C

Cited by
CN103128088A; FR3055228A1; CN107620789A; CN108906828A; CN109967471A; CN112792079A; CN113305117A; CN110420947A; FR2838659A1; EP1354642A3; CN103128089A; CN108856212A; CN112871927A; CN102601090A; CN103128087A; CN114378082A; GB2214419A; GB2214419B; AU608685B2; CN113058954A; CN115582378A; FR3109541A1

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