

Title (en)

High speed bottle washing machine and nozzle spray assembly.

Title (de)

Hochgeschwindigkeits-Flaschenspülmaschine und Spritzdüsenzusammensetzung.

Title (fr)

Machine pour le lavage des bouteilles à haute vitesse et dispositif de pulvérisation.

Publication

EP 0634230 A1 19950118 (EN)

Application

EP 94110834 A 19940712

Priority

- US 9041393 A 19930712
- US 9041193 A 19930712
- US 9050193 A 19930713
- US 9050393 A 19930713

Abstract (en)

A high-speed bottle washing machine provides concurrent rotational motion to a workpiece as it is conveyed through a washing treatment zone for internal and external spray treatments. The machine comprises a plurality of moving bottle receiving stations for sequentially receiving and rotating inverted bottles received from a bottle infeed conveyor, a plurality of reciprocating spray nozzles, with at least one spray nozzle moving with each bottle receiving station, wherein each of the spray nozzles reciprocates from a first position below the inverted bottles, to a second position within the bottles, and a manifold assembly for sequentially supplying a caustic wash fluid under pressure to each of the plurality of spray nozzles to clean the bottles by impingement of the wash fluid in a predetermined pattern within the bottles as the bottles are rotated. The washed bottles are finally discharged at a bottle outfeed conveyor. <IMAGE>

IPC 1-7

B08B 9/32; **B08B 9/34**; **B08B 9/20**

IPC 8 full level

B08B 9/32 (2006.01); **B08B 9/34** (2006.01); **B08B 9/42** (2006.01)

CPC (source: EP)

B08B 9/32 (2013.01); **B08B 9/34** (2013.01); **B08B 9/426** (2013.01)

Citation (search report)

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