

Title (en)

DEVICES AND MACHINE FOR TREATING BOTTLES

Title (de)

VORRICHTUNGEN UND MASCHINE ZUM BEHANDELN VON FLASCHEN

Title (fr)

DISPOSITIFS ET MACHINE DE TRAITEMENT DE BOUTEILLES

Publication

**EP 0477341 B2 19991215 (FR)**

Application

**EP 91908215 A 19910410**

Priority

- FR 9004651 A 19900411
- FR 9100293 W 19910410

Abstract (en)

[origin: WO9115310A1] Bottles (2) to be treated before filling are gripped by a clamp (24), inverted by pivoting the clamp about an inversion axis (28) and then treated in the inverted position by injection from a nozzle (49). At the same time, the clamp and the bottle are rotated about the axis of a continuous rotary conveyor (13) which treats several bottles simultaneously. The clamp is articulated on the sides of an individual receptacle (29) which also rotates with the continuous conveyor (13) and which feeds into an annular collector (62). The nozzle (49) is located at the centre of a channel (61) through which the fluid injected into the bottle falls back into the receptacle (29). Used to improve the hygiene of a collecting circuit for removal or recycling the treatment fluid.

IPC 1-7

**B08B 9/32**

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

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**WO 9115310 A1 19911017**; CA 2060665 A1 19911012; CA 2060665 C 19990420; DE 69104582 D1 19941117; DE 69104582 T2 19950309; DE 69104582 T3 20000621; EP 0477341 A1 19920401; EP 0477341 B1 19941012; EP 0477341 B2 19991215; ES 2031440 T1 19921216; ES 2031440 T3 19941216; ES 2031440 T5 20000316; FR 2660884 A1 19911018; FR 2660884 B1 19940114; JP 2556638 B2 19961120; JP H04507376 A 19921224; KR 920702642 A 19921006; KR 950013497 B1 19951108; US 5277207 A 19940111

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