

Title (en)

Method and device for filling bottles and similar containers

Title (de)

Verfahren und Vorrichtung zum Füllen von Flaschen oder dergleichen Behälter

Title (fr)

Procédé et dispositif pour remplir des bouteilles et récipients similaires

Publication

EP 1632455 A1 20060308 (DE)

Application

EP 05016262 A 20050727

Priority

DE 102004042516 A 20040902

Abstract (en)

The filling process for bottles (3) involves moving the bottles of a bottle carrier (9) with the bottleneck (3.1) at a distance from the issuing aperture (6) of a filling element (1). During the filling process, the fluid is supplied to the bottle as a free jet (12) in the direction of the filling element axis (VA). The container is anchored about an axis perpendicular to the filling element axis, so that the bottle axis (FA) encloses an angle (alpha) with the axis of the filling element.

IPC 8 full level

B67C 3/24 (2006.01)

CPC (source: EP)

B67C 3/24 (2013.01); **B67C 2003/2671** (2013.01)

Citation (search report)

- [XY] US 5791385 A 19980811 - STAHLLECKER WERNER [DE]
- [XY] WO 9847770 A1 19981029 - GRAHAM PACKAGING CORP [US], et al
- [A] US 4588001 A 19860513 - LEONARD GEORGE E [US]
- [A] US 4456040 A 19840626 - BACROIX MARCEL [FR], et al

Cited by

EP4385939A1; EP1717189A1; CN117776075A; JP2016222283A; CN110728794A; CN108706536A

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