

Title (en)  
Machine for filling containers with liquids

Title (de)  
Maschine zum Füllen von Behältern mit Flüssigkeiten

Title (fr)  
Machine pour remplir des récipients avec des liquides

Publication  
**EP 2594524 A1 20130522 (EN)**

Application  
**EP 12193712 A 20121121**

Priority  
IT PD20110366 A 20111121

Abstract (en)  
Machine for filling containers with liquids, which comprises a plurality of valve assemblies (12), each provided with a supply duct (14) for the inflow of liquid in containers (2), an air return tube (17) and a shutter (18) placed to intercept the supply duct (14). A guide device (19), equipped with an engagement body (20), and movable between a lowered position and a raised position is provided. The filling machine also comprises: first actuation means (22) that can be actuated to vertically move the support plates (21) of the containers (2) between a lower position and an upper position; second actuation means (23) that can be actuated to act on the guide device (19) in order to move the latter between the lowered position and the raised position. A logic control unit, adapted to control the actuation of the first actuation means (22) and the second actuation means (23) is provided respectively in order to move the support plates (21) between their lower position and their upper position, and in order to move the guide devices (19) between their lowered position and their raised position. By actuating the first actuation means (22), the support plates (21) are moved for associating the valve assemblies (12) with containers (2) made of glass rested on the plates (21); by actuating the second actuation means (23), the guide devices (19) are moved for associating corresponding valve assemblies (12) with containers (2) typically made of plastic retained by the engagement body (20) of the guide devices (19).

IPC 8 full level  
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CPC (source: EP)  
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Citation (applicant)  
IT BO20030048 U 20030424

Citation (search report)  
• [A] EP 1995208 A1 20081126 - GRUPPO BERTOLASO SPA [IT]  
• [A] GB 1188888 A 19700422 - SIMONAZZI SPA A & L, et al  
• [A] EP 1544157 A1 20050622 - KHS MASCH & ANLAGENBAU AG [DE]  
• [AD] EP 1471032 A1 20041027 - FILLING SYSTEMS S R L [IT]

Cited by  
CN112573466A; WO2021069779A1; WO2023051030A1

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