

Title (en)  
Aseptic filling machine.

Title (de)  
Maschine zum aseptischen Abfüllen.

Title (fr)  
Machine pour le remplissage aseptique.

Publication  
**EP 0405402 A2 19910102 (EN)**

Application  
**EP 90112041 A 19900625**

Priority  
• JP 16085989 A 19890626  
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Abstract (en)  
Disclosed is an aseptic filling machine comprising a filling zone (15) defined by walls, a vessel-supporting mechanism arranged in the filling zone (15), a content-filling nozzle (8, 8a) arranged in the filling zone, a pipe passage (5, 5a) for supplying the content to the filling nozzle, an air blow-out opening (9, 9a) for producing a positive pressure locally in the filling zone, a fluid passage-forming connecting member (20, 20a) for detachably connecting the filling nozzle (8, 8a) and the air blow-out opening (9, 9a), and a changeover mechanism (22, 22a) for connecting the air blow-out opening (9, 9a) alternatively to an aseptic air supply source and a tank for recovering a cleaning liquid or a sterilizing fluid, wherein the air blow-out opening (9, 9a) forms a part of a pipe passage for recovering the cleaning liquid or sterilizing fluid. In this filling machine, the filling zone (15) is defined and localized by walls (11, 12, 13, 14), and a positive pressure can be produced and maintained very easily in the filling zone (15). Furthermore, since the aseptic air supply pipe passage is utilized as a part of the cleaning liquid or sterilizing fluid recovery pipe passage, the aseptic air supply pipe passage and the content filling pipe passage or content feed passage can be simultaneously cleaned or sterilized by one mechanism and an excellent contamination-preventing effect can be attained by a simple structure and mechanism.

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