

Title (en)

METHOD OF FILLING CONTAINERS WITH LIQUID UNDER PRESSURE

Title (de)

VERFAHREN ZUM BEFÜLLEN VON BEHÄLTERN MIT EINER UNTER DRUCK STEHENDEN FLÜSSIGKEIT

Title (fr)

PROCEDE DE REMPLISSAGE DE RECIPIENTS AVEC UN LIQUIDE SOUS PRESSION

Publication

**EP 0776314 A1 19970604 (DE)**

Application

**EP 96916004 A 19960613**

Priority

- DE 9601037 W 19960613
- JP 15067095 A 19950616

Abstract (en)

[origin: WO9700224A1] A filling machine for filling containers (10) with liquid is provided with one filling valve (25) for each container (10), the filling valve being operated by a control device (19) by means of a drive pulse (Z). To improve the accuracy of the quantity of fluid (M (ist)) actually transferred to the containers (10) with reference to a notional filling quantity (M), it is proposed that the control device (19) should sum partial volumes ( DELTA M) determined from measured pressures (P1) of the fluid, time intervals ( DELTA t) between individual pressure readings and a pressure/through-flow characteristic curve of the filling valves (25). Once the sum of the partial volumes ( DELTA M) has passed a threshold filling quantity (M (max)), the control unit (19) stops the drive pulse (Z).

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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