

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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Citation (search report)
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WO 9700224 A1 19970103; DE 59605120 D1 20000608; EP 0776314 A1 19970604; EP 0776314 B1 20000503; ES 2147378 T3 20000901; JP 2633820 B2 19970723; JP H092583 A 19970107; TR 199700101 T1 19970422; US 5823234 A 19981020

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