

Title (en)

Filling head and filling machine with such filling heads

Title (de)

Füllelement sowie Füllmaschine mit derartigen Füllelementen

Title (fr)

Tête de remplissage et machine de remplissage avec de telles têtes de remplissage

Publication

**EP 1586533 A1 20051019 (DE)**

Application

**EP 05005209 A 20050310**

Priority

DE 102004017211 A 20040410

Abstract (en)

The machine has a housing (6) and a liquid channel (7) having an opening for liquid filling material to be filled with a valve connected. The valve cooperates with a valve body and a valve seat where an actuator is provided for opening and closing the valve. Control of the filling process is provided as a function of a signal of a flow meter (13). The flow rate of the filling material has a stopper for stopping the movement of the flow meter in the filling element housing (6) at a section of the liquid channel.

Abstract (de)

Bei einem Füllelement zum Füllen von Flaschen (2) oder dgl. Behälter mit einem flüssigen Füllgut ist für eine Steuerung des Füllprozesses in Abhängigkeit von einem Signal eines im Strömungsweg des Füllgutes angeordneten Durchflussmessers (13) dieser in das Füllelement integriert.  
<IMAGE>

IPC 1-7

**B67C 3/20**

IPC 8 full level

**B67C 3/20** (2006.01)

CPC (source: EP US)

**B67C 3/20** (2013.01 - EP US)

Citation (search report)

- [Y] US 6378575 B1 20020430 - MARCHAU BERNARD [FR]
- [Y] EP 0752388 A1 19970108 - KHS MASCH & ANLAGENBAU AG [DE]
- [A] GB 2288168 A 19951011 - BWI DAWSON [GB]

Cited by

DE102013104938A1; EP1906156A3; IT201900007068A1; DE102006014103B4; DE102006014103A1; WO2007110197A1; WO2018158010A1; US9856125B2; US8256474B2

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