

Title (en)

VARIABLE FLOW VALVE OF A FILLING MACHINE

Title (de)

VENTIL MIT VERSTELLBAREM DURCHFLUSS FÜR FÜLLMASCHINE

Title (fr)

VANNE A DEBIT VARIABLE D'UNE REMPLISSEUSE

Publication

**EP 1986948 A1 20081105 (FR)**

Application

**EP 07704631 A 20070219**

Priority

- EP 2007051547 W 20070219
- FR 0650621 A 20060223

Abstract (en)

[origin: FR2897607A1] The device (10) has a gate valve (42) co-axial to an obturator (26) arranged in an upper section (14) of a tubular body (12). A peripheral closing wall partially closes a radial supply orifice (24) when the obturator occupies an opening position, where a closing surface of the wall is based on an angular position of the valve. The gate valve is controlled by pivoting around an axis to adjust the value of a supply flow while modifying the surface of the wall. The obturator has a core (58) that guides the flow of liquid to produce a laminar type liquid flow, and a ring is connected to the body.

IPC 8 full level

**B67C 3/28** (2006.01)

CPC (source: EP US)

**B67C 3/281** (2013.01 - EP US)

Citation (search report)

See references of WO 2007096321A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**FR 2897607 A1 20070824; FR 2897607 B1 20080509**; CN 101389563 A 20090318; CN 101389563 B 20100901; EP 1986948 A1 20081105; JP 2009527710 A 20090730; JP 4891350 B2 20120307; US 2009166386 A1 20090702; US 8109416 B2 20120207; WO 2007096321 A1 20070830

DOCDB simple family (application)

**FR 0650621 A 20060223**; CN 200780006384 A 20070219; EP 07704631 A 20070219; EP 2007051547 W 20070219; JP 2008555765 A 20070219; US 27846707 A 20070219