

Title (en)
METHOD FOR SAFE FILLING IN VALVE-CONTROLLED FILLING SYSTEMS

Title (de)
VERFAHREN ZUM SICHEREN ABFÜLLEN BEI VENTILGESTEUERTEN ABFÜLLANLAGEN

Title (fr)
PROCEDE DE REMPLISSAGE SECURISE POUR INSTALLATIONS DE REMPLISSAGE COMMANDEES PAR SOUPAPES

Publication
EP 1940726 B1 20100324 (DE)

Application
EP 06807359 A 20061017

Priority
• EP 2006067517 W 20061017
• DE 102005052197 A 20051028

Abstract (en)
[origin: US8220501B2] A method for the safe filling of a product in valve-controlled filling systems having, at individual filling stations, flow measuring devices for determining the amount of filling of the product being filled, a flow value D(ti) is determined for a number of time intervals at opened filling valve and checked for significant deviations brought about by air bubble formation in the product being filled. If significant deviations occur, then the pertinent filling valve is closed prematurely.

IPC 8 full level
B67C 3/20 (2006.01); **B67C 3/28** (2006.01)

CPC (source: EP US)
B67C 3/20 (2013.01 - EP US); **B67C 3/287** (2013.01 - EP US)

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)
WO 2007048742 A1 20070503; AT E461909 T1 20100415; DE 102005052197 A1 20070516; DE 502006006531 D1 20100506;
EP 1940726 A1 20080709; EP 1940726 B1 20100324; US 2010108178 A1 20100506; US 8220501 B2 20120717

DOCDB simple family (application)
EP 2006067517 W 20061017; AT 06807359 T 20061017; DE 102005052197 A 20051028; DE 502006006531 T 20061017;
EP 06807359 A 20061017; US 8413806 A 20061017