

Title (en)

VALVE FOR THE CLOCKED FILLING OF PRODUCTS FROM A STORAGE TANK TO A PACKAGING CONTAINER

Title (de)

VENTIL ZUM TAKTWEISEN ABFÜLLEN VON PRODUKTEN AUS EINEM VORRATSBEHÄLTER IN VERPACKUNGSBEHÄLTER

Title (fr)

SOUPAPE POUR LE TRANSVASEMENT EN CADENCE DE PRODUITS D'UN RECIPIENT D'ALIMENTATION DANS DES RECIPIENTS D'EMBALLAGE

Publication

**EP 1590586 B1 20060607 (DE)**

Application

**EP 04816280 A 20041229**

Priority

- DE 2004002830 W 20041229
- DE 102004001309 A 20040107

Abstract (en)

[origin: WO2005066527A1] The invention relates to a valve for the clocked filling of liquid to flowing-pasty products from a storage tank (1) to a packaging container. Said products are transported in a correspondingly clocked manner via the filling station of a packaging machine. Said valve comprises a product conveyor path which extends from the storage tank (1) through a dosing pump (2) to an output mouth piece (3) and said product conveyor path is provided with a closing and opening valve (V) which can be adjusted in a clocked manner. Said valve is formed by a slider (8) which can be displaced in a sealed manner between plates (6,7) and the plates (6,7) contain channels (9, 10) which are aligned in relation to each other from the dosing pump (2) to the mouth piece (3). A product transport channel (11) which leads in a direction flowing against the slider (8), which is provided with a through channel (13), is arranged in the plate (6) located on the pump side, and a transversal groove (12), whose opening is counter to the upper plate (6), is arranged on the pump side of the slider (8) and has a length (L) which corresponds to the distance between the transport channel (11) and the outgoing channel to the channel (9) of the dosing pump (2). According to the invention, the through channel (13), whose opening is counter to the lower plate (7), is located on an end of the transversal groove (12), and the opening of said channel runs from the bottom (12') of the groove. Said transversal groove (12) can be placed on the through channel thereof (13) in an alternating manner on the mouth (11') of the product transport channel (11) and the channel (9) running from the dosing pump (2).

IPC 8 full level

**F16K 3/26** (2006.01); **B65B 3/32** (2006.01); **B65B 39/00** (2006.01)

CPC (source: EP)

**B65B 3/32** (2013.01); **B65B 39/005** (2013.01)

Cited by

WO2024110917A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**WO 2005066527 A1 20050721**; DE 102004001309 A1 20050804; DE 502004000720 D1 20060720; EP 1590586 A1 20051102; EP 1590586 B1 20060607; ES 2260751 T3 20061101

DOCDB simple family (application)

**DE 2004002830 W 20041229**; DE 102004001309 A 20040107; DE 502004000720 T 20041229; EP 04816280 A 20041229; ES 04816280 T 20041229