

Title (en)  
DOSING APPARATUS FOR CONTINUOUS INJECTION OF A PREFERABLY SMALL AMOUNT OF SECONDARY STERILE LIQUID INTO A FREE-FLOWING PRIMARY COMPONENT OF STERILE LIQUID

Title (de)  
DOSIERGERÄT ZUM KONTINUIERLICHEN INJIZIEREN EINER VORZUGSWEISE KLEINEN MENGE EINER SEKUNDÄREN STERILEN FLÜSSIGKEIT IN EINEN FREI FLIESSENDEN PRIMÄREN BESTANDTEIL EINER STERILEN FLÜSSIGKEIT

Title (fr)  
APPAREIL DE DOSAGE DESTINE A L'INJECTION CONTINUE, DE PREFERENCE, D'UNE PETITE QUANTITE D'UN LIQUIDE STERILE SECONDAIRE DANS UNE COMPOSANTE PRIMAIRE FLOTTANT LIBREMENT D'UN LIQUIDE STERILE

Publication  
**EP 1083983 A1 20010321 (EN)**

Application  
**EP 99927045 A 19990510**

Priority  
• SE 9900787 W 19990510  
• SE 9801615 A 19980511

Abstract (en)  
[origin: WO9958234A1] A dosing apparatus for continuous injection of a small amount of secondary sterile liquid into a free-flowing primary sterile liquid. The dosing apparatus has a controllable valve with a movable closing sleeve (16) for controlling the supply of secondary sterile liquid to the flowing sterile primary liquid and an outer valve member (18), which in itself comprises an inner part (17) which is displaceable in relation to the valve member (18) and which has a recess or duct (19), whose end facing the closing sleeve (16) is covered with a sealing protective wafer (8). A supply tube (12) for supplying secondary sterile liquid is arranged in said recess or duct (19). Finally, the dosing apparatus has a means (24) for rupturing the protective wafer to allow said injection of the secondary sterile liquid into the primary sterile liquid through the supply tube (12). The invention also concerns a method of using said dosing apparatus.

IPC 1-7  
**B01F 5/04**; **B01F 5/06**

IPC 8 full level  
**B01F 3/08** (2006.01); **B01F 5/04** (2006.01); **B01F 13/00** (2006.01); **B01F 15/02** (2006.01)

CPC (source: EP)  
**B01F 23/451** (2022.01); **B01F 25/314** (2022.01); **B01F 33/5011** (2022.01); **B01F 35/1452** (2022.01); **B01F 35/713** (2022.01); **B01F 35/7137** (2022.01); **B01F 35/718051** (2022.01)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9958234 A1 19991118**; AT E230297 T1 20030115; AU 4403899 A 19991129; DE 69904719 D1 20030206; DE 69904719 T2 20030918; DK 1083983 T3 20030422; EP 1083983 A1 20010321; EP 1083983 B1 20030102; ES 2188180 T3 20030616; SE 512503 C2 20000327; SE 9801615 D0 19980511; SE 9801615 L 19991112

DOCDB simple family (application)  
**SE 9900787 W 19990510**; AT 99927045 T 19990510; AU 4403899 A 19990510; DE 69904719 T 19990510; DK 99927045 T 19990510; EP 99927045 A 19990510; ES 99927045 T 19990510; SE 9801615 A 19980511