

Title (en)
SOLUTION PROPORTIONER AND DISPENSING SYSTEM.

Title (de)
Vorrichtung zum Dosieren von Lösungen und Abgabesystem.

Title (fr)
SYSTEME CONCU POUR DOSER ET DISTRIBUER DES SOLUTIONS.

Publication
EP 0581876 B1 19950920 (EN)

Application
EP 92911970 A 19920422

Priority

- US 9203337 W 19920422
- US 76557691 A 19910925
- US 69050591 A 19910424

Abstract (en)
[origin: WO9219530A2] A system for proportioning and dispensing concentrated liquid products is disclosed. The components of the system's first embodiment are mounted upon a cart (12). A concentrate solution tube (14) is interconnected to a dilution assembly (61) containing an aspirator (26). A water supply assembly (69), containing a valve (75) and backflow preventer (74), is connected to the aspirator assembly (26) when dilution of the concentrated product (13) is desired. A discharge tube (68) carries the diluted product from the aspirator assembly (26) to a container (60). The system's second embodiment has a spray gun assembly (150) containing an aspirator (167), a valve (166), and preferably though not necessarily, a backflow preventer (165). The concentrate pickup tube (114) attaches to the spray gun assembly (150) with a releasable connector (170). The spray gun assembly has a rigid delivery tube (153) for dispensing to large containers (160), and a nozzle tip (180) for attachment to an inlet port (119) of a jug (111). Also disclosed is a method for dispensing and handling solutions.

IPC 1-7
B67D 5/56; **B67D 5/37**; **B67D 1/00**

IPC 8 full level
B05B 7/04 (2006.01); **B01F 15/04** (2006.01); **B05B 9/08** (2006.01); **B67D 7/42** (2010.01); **B67D 7/74** (2010.01)

CPC (source: EP)
B67D 7/423 (2013.01); **B67D 7/74** (2013.01)

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

DOCDB simple family (publication)
WO 9219530 A2 19921112; **WO 9219530 A3 19930204**; AT E128101 T1 19951015; AU 2014792 A 19921221; AU 654020 B2 19941020; CA 2107112 A1 19921027; CA 2107112 C 20020917; DE 69204998 D1 19951026; DE 69204998 T2 19960208; DK 0581876 T3 19951113; EP 0581876 A1 19940209; EP 0581876 B1 19950920; ES 2079870 T3 19960116; GR 3018372 T3 19960331; HK 211096 A 19961206; JP 3284207 B2 20020520; JP H06507118 A 19940811; MX 9201935 A 19930801; NZ 242463 A 19941125

DOCDB simple family (application)
US 9203337 W 19920422; AT 92911970 T 19920422; AU 2014792 A 19920422; CA 2107112 A 19920422; DE 69204998 T 19920422; DK 92911970 T 19920422; EP 92911970 A 19920422; ES 92911970 T 19920422; GR 950403501 T 19951212; HK 211096 A 19961128; JP 51190392 A 19920422; MX 9201935 A 19920424; NZ 24246392 A 19920423