

Title (en)
DOUBLE PIPE SPRAY SYSTEM

Title (de)
DOPPELROHRSPRÜHSYSTEM

Title (fr)
SYSTEME DE PULVERISATION A DOUBLE TUYAU

Publication
EP 1012108 A1 20000628 (DE)

Application
EP 98948882 A 19980829

Priority
• DE 19739345 A 19970909
• EP 9805484 W 19980829

Abstract (en)
[origin: DE19739345C1] A tank holds a charge of drink prior to discharge via a filling assembly into bottles or cans. Prior to receipt of the charge, the empty tank is cleaned by the alternating application of foam and liquid which is introduced via two pipes one (2) of large diameter with jets (7) and one of small diameter (3) with jets (8). The pipes are inserted into the tank. The novelty is that: (a) the smaller pipe (3) is integrated within the larger pipe (2) to form a twin-pipe (1); (b) the jets (8) on the smaller pipe (3) are pass through the wall of the larger tube (2) against which they are sealed; (c) the cleaning foam and fluids are delivered to the pipes (2, 3) through a common supply pipe (4) and a two-way valve (5).

IPC 1-7
B67C 3/00; B08B 3/02; B05B 1/20

IPC 8 full level
A61L 2/18 (2006.01); **B05B 7/08** (2006.01); **B67C 3/00** (2006.01)

CPC (source: EP)
A61L 2/18 (2013.01); **B05B 7/0884** (2013.01); **B67C 3/001** (2013.01)

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

DOCDB simple family (publication)
WO 9912843 A1 19990318; DE 19739345 C1 19981112; EP 1012108 A1 20000628; HU P0004046 A2 20010328; PL 339224 A1 20001204

DOCDB simple family (application)
EP 9805484 W 19980829; DE 19739345 A 19970909; EP 98948882 A 19980829; HU P0004046 A 19980829; PL 33922498 A 19980829