

Title (en)
Valves for the atomized delivery of liquids.

Title (de)
Ventile für Flüssigkeitszerstäuber.

Title (fr)
Soupapes pour l'atomisation de liquides.

Publication
EP 0445358 A2 19910911 (EN)

Application
EP 90119528 A 19901011

Priority
IT 1957990 A 19900306

Abstract (en)
Improvements in valves for the atomized delivery of liquids contained under pressurized gas, such as nitrogen, in cans or other containers, comprising a body and a valving member and in which liquid is mixed with gas in a chamber (12, 12A) positioned upstream of the valving member (11, 11A) which controls the delivery of the atomized product and moves within said chamber, said improvements comprising premixing the liquid and gas in a premixing chamber (21, 21A) positioned prior to that (12, 12A) in which the valving member (11, 11A) moves and separated therefrom by a nozzle or narrow passage (20, 20A) having a cross-section substantially less than that of said chambers. <IMAGE>

IPC 1-7
B65D 83/44

IPC 8 full level
B05B 9/04 (2006.01); **B65D 83/14** (2006.01); **B65D 83/44** (2006.01)

CPC (source: EP)
B65D 83/66 (2013.01)

Cited by
US7237697B2; US6311876B1; AU772221B2; CN1139524C; WO0112525A1; WO9400367A1; US8292121B2

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0445358 A2 19910911; EP 0445358 A3 19921014; EP 0445358 B1 19940921; AR 246447 A1 19940831; DE 69012790 D1 19941027; DE 69012790 T2 19950309; IT 1243765 B 19940628; IT 9019579 A0 19900306; IT 9019579 A1 19910906; JP H03256879 A 19911115

DOCDB simple family (application)
EP 90119528 A 19901011; AR 31848490 A 19901128; DE 69012790 T 19901011; IT 1957990 A 19900306; JP 27885190 A 19901017