

Title (en)
SPRAY DEVICE

Publication
EP 0464160 B1 19930609 (DE)

Application
EP 90915761 A 19901015

Priority
DE 3936365 A 19891102

Abstract (en)
[origin: WO9106377A1] A spray head for a spray device can be actuated by depressing an actuating cap (70) against a preloaded spring (30). The spray device comprises a container filled with a sprayable, preferably liquid, preparation which can be atomized and sprayed out in a particular direction by means of compressed air. The spray head has a spray nozzle (58) into which the compressed air is fed separately. The preparation is fed into the spray nozzle through a lifting tube (50) which dips into the container. The compressed air and the preparation are mixed, atomized and sprayed in a particular direction in the spray nozzle. The spray head (10) has two separate valves (22; 24) which are elastically preloaded in the closed position. The first valve (22) is arranged in an inlet channel leading to the interior of the container from the compressed air channel which conveys the compressed air to the spray nozzle (58). The second valve (24) is arranged in the preparation channel which conveys the preparation from the container through the lifting tube (50) to the spray nozzle (58). The actuating cap (70) has two actuating rams (72; 74), each associated with one of the valves, and which open the valve when the actuating element is depressed. The dimensions of the actuating rams (72; 74) are such that, when the actuating element (70) is depressed, the actuating ram (72) associated with the first valve (22) engages on the respective valve closure body (26; 28) before the actuating ram (74) associated with the second valve (24).

IPC 1-7
B05B 7/24

IPC 8 full level
B05B 7/04 (2006.01); **B05B 7/24** (2006.01)

CPC (source: EP US)
B05B 7/2437 (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL

DOCDB simple family (publication)
WO 9106377 A1 19910516; DE 3936365 A1 19910508; DE 59001720 D1 19930715; EP 0464160 A1 19920108; EP 0464160 B1 19930609; JP H04504227 A 19920730; US 5193748 A 19930316

DOCDB simple family (application)
EP 9001741 W 19901015; DE 3936365 A 19891102; DE 59001720 T 19901015; EP 90915761 A 19901015; JP 51473390 A 19901015; US 72043991 A 19910823