

Title (en)

NOZZLE WITH QUICK DISCONNECT SPRAY TIP

Title (de)

DÜSE MIT EINEM SCHNELL DEMONTIERBAREN SPRÜHKOPF

Title (fr)

TUYERE A EMBOUT DE PULVERISATION DEMONTABLE RAPIDEMENT

Publication

EP 0822863 A1 19980211 (EN)

Application

EP 97907892 A 19970227

Priority

- US 9703036 W 19970227
- US 60737696 A 19960227

Abstract (en)

[origin: WO9733698A1] A quick disconnect nozzle comprising a nozzle body, a spray tip, and an annular sealing member interposed therebetween. The tip is adapted to be inserted axially into the body and then rotated. When the tip is rotated, camming lugs on the tip and body coact to draw the tip axially toward the body and compress the sealing member. Detents in the form of flexible curved ribs are carried by the tip and resiliently pop into curved pockets in the body to releasably hold the tip in its installed position. The sealing member is an O-ring which is carried by the tip and which is removable from the body as a unit with the tip. An inner seal is provided between mutually converging tapered walls of the nozzle tip and nozzle body adjacent the inner end portion of the nozzle tip.

IPC 1-7

B05B 1/00

IPC 8 full level

B05B 1/00 (2006.01); **B05B 15/00** (2018.01); **B05B 15/06** (2006.01); **B05B 15/65** (2018.01); **F16L 37/244** (2006.01)

CPC (source: EP US)

B05B 15/00 (2013.01 - EP US); **B05B 15/65** (2018.01 - EP); **F16L 37/244** (2013.01 - EP US)

Citation (search report)

See references of WO 9733698A1

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

WO 9733698 A1 19970918; CA 2217448 A1 19970918; EP 0822863 A1 19980211; JP 2002515825 A 20020528; MX 9708214 A 19971231

DOCDB simple family (application)

US 9703036 W 19970227; CA 2217448 A 19970227; EP 97907892 A 19970227; JP 53262797 A 19970227; MX 9708214 A 19970227