

Title (en)

TRIGGER SPRAYER WITH CHILD RESISTANT INDEXING NOZZLE

Title (de)

HEBELBETÄTIGTER SPENDER MIT KINDERSICHERER DÜSE

Title (fr)

PULVERISATEUR A GACHETTE POURVU D'UNE BUSE MUNIE D'UNE SECURITE ENFANT

Publication

EP 1999061 A2 20081210 (EN)

Application

EP 07757984 A 20070306

Priority

- US 2007063389 W 20070306
- US 36935106 A 20060307
- US 67233907 A 20070207

Abstract (en)

[origin: WO2007103922A2] An indexing nozzle assembly for a trigger sprayer has a manually rotatable cap mounted for rotation on a base of the nozzle assembly. Rotation of the cap relative to the base changes the nozzle assembly between an off condition where the nozzle assembly prevents liquid discharge from the trigger sprayer, and a combination of a spray condition, a stream condition, and/or a foam condition. The indexing nozzle assembly is provided with a child resistant feature in the form of a lock mechanism that prevents rotation of the nozzle cap relative to the nozzle base from the cap off condition position. The lock mechanism can be manually manipulated with one hand to disengage the lock mechanism, thereby permitting rotation of the nozzle cap from its off condition position relative to the base.

IPC 8 full level

B05B 11/00 (2006.01); **B67D 7/58** (2010.01); **B05B 1/34** (2006.01)

CPC (source: EP US)

B05B 11/0029 (2013.01 - EP US); **B05B 11/1011** (2023.01 - EP US); **B05B 11/1064** (2023.01 - EP US); **B05B 11/1074** (2023.01 - EP US); **B05B 11/1077** (2023.01 - EP US); **B05B 1/3436** (2013.01 - EP US)

Cited by

CN108937719A; US10328447B1; WO2011142951A1; WO2011142950A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

WO 2007103922 A2 20070913; **WO 2007103922 A3 20080626**; AT E534469 T1 20111215; EP 1999061 A2 20081210; EP 1999061 A4 20091202; EP 1999061 B1 20111123; US 2007228187 A1 20071004

DOCDB simple family (application)

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