

Title (en)
SPRAYER

Title (de)
SPRÜHVORRICHTUNG

Title (fr)
PULVÉRISATEUR

Publication
EP 3981517 A1 20220413 (EN)

Application
EP 20200344 A 20201006

Priority
EP 20200344 A 20201006

Abstract (en)
A sprayer (100) includes a handle (116) and a valve (106) for switching a flow of the water from an outlet (104). The sprayer (100) includes an inlet (102) for receiving water. The sprayer (100) includes a trigger (110) configured to actuate the valve (106). The trigger (110) moves between a locked position and an unlocked position. The trigger (110) allows the flow of the water in the locked position and stops the flow of the water in the unlocked position. The sprayer (100) further includes a locking mechanism (114) which is activated by the trigger (110). The locking mechanism (114) includes a contour (108). The locking mechanism (114) includes a locking element (112) which moves between a first state and a second state with the contour (108). In the second state the locking element (112) engages with the contour (108) in the locked position. The sprayer (100) is characterized in that the locking element (112) is a linear spring.

IPC 8 full level
B05B 12/00 (2018.01); **B05B 9/01** (2006.01)

CPC (source: EP)
B05B 12/0024 (2018.07); **B05B 9/01** (2013.01)

Citation (applicant)
• US 2014367496 A1 20141218 - HSIEH PAI-CHOU [TW]
• EP 2368640 B1 20151125 - YUAN MEI CORP [TW]

Citation (search report)
• [X] US 2016375453 A1 20161229 - TULLNEY HEIKO [DE], et al
• [A] DE 2318313 A1 19741024 - WOMA MAASBERG CO GMBH W
• [A] US 3396937 A 19680813 - MCDUGALL FRANKLIN M
• [A] JP 2005138056 A 20050602 - KOTOBUKI TSUSHO KK

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3981517 A1 20220413; CN 115916419 A 20230404; EP 4225507 A1 20230816; TW 202224776 A 20220701; WO 2022073655 A1 20220414

DOCDB simple family (application)
EP 20200344 A 20201006; CN 202180052832 A 20210602; EP 2021064752 W 20210602; EP 21730562 A 20210602;
TW 110137104 A 20211006