

Title (en)

IMPROVED FILLING STATION FOR FILLING PROPELLANTS INTO PRESSURE CANS

Title (de)

VERBESSERTE BEFÜLLSTATION ZUM ABFÜLLEN VON TREIBMITTELN IN DRUCKDOSEN

Title (fr)

STATION DE REMPLISSAGE AMÉLIORÉE POUR LE REMPLISSAGE DE PROPULSEURS DANS DES BOÎTES DE PRESSION

Publication

EP 4077141 A1 20221026 (EN)

Application

EP 20842308 A 20201221

Priority

- IB 2020062274 W 20201221
- BE 201905955 A 20191220

Abstract (en)

[origin: WO2021124305A1] Disclosed is a filling station for injecting propellant gas into a spray can with a valve (10) comprising a carousel having multiple locations occupied by the container in a stepwise fashion, and wherein, during a step, a filling head injects the propellant gas into the canister through the temporarily opened valve (10), characterized in that at least one location in the carousel, before the location with the filling head for injecting a propellant gas, is provided with at least one sensor that is suitable for carrying out at least one of the following observations during the step of the filling station: a) whether a canister is present, b) whether the canister has the expected height, c) whether a valve (10) is present on the canister, and d) whether the valve (10) is secured to the canister. Also described is the injection of propellant gas using the filling station.

IPC 8 full level

B65B 31/00 (2006.01); **B65B 43/50** (2006.01); **B65B 57/06** (2006.01)

CPC (source: EP)

B65B 31/003 (2013.01); **B65B 43/50** (2013.01); **B65B 57/06** (2013.01)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2021124305 A1 20210624; BE 1027885 A1 20210713; BE 1027885 B1 20210726; EP 4077141 A1 20221026; EP 4077141 B1 20231011; PL 4077141 T3 20240408; SI 4077141 T1 20240229

DOCDB simple family (application)

IB 2020062274 W 20201221; BE 201905955 A 20191220; EP 20842308 A 20201221; PL 20842308 T 20201221; SI 202030327 T 20201221