

Title (en)

FILLING DEVICE WITH IMPROVED HOSE PUMP

Title (de)

FÜLLVORRICHTUNG MIT VERBESSERTER SCHLAUCHPUMPE

Title (fr)

DISPOSITIF DE REMPLISSAGE COMPRENANT UNE POMPE À TUYAU AMÉLIORÉE

Publication

EP 3275790 A3 20180418 (DE)

Application

EP 17173369 A 20170530

Priority

DE 102016213847 A 20160728

Abstract (en)

[origin: CN107664117A] The present invention relates to a filling device for filling a defined quantity of a product (10), comprising a hose assembly (5) comprising a first three-way device (20) having a first supply region(21), a first discharge region (22) and a linear flexible tube (7) with a squeezing device (8), the linear tube pump (7) being arranged by means of a linear movement (A) in the first three-way device(20) build up a pressure and to generate a negative pressure.

IPC 8 full level

B65B 3/00 (2006.01); **A61M 1/10** (2006.01); **B65B 3/30** (2006.01); **F04B 43/12** (2006.01)

CPC (source: CN EP)

B65B 3/003 (2013.01 - EP); **B65B 3/12** (2013.01 - CN); **B65B 3/30** (2013.01 - EP); **F04B 13/00** (2013.01 - EP); **F04B 43/08** (2013.01 - CN EP); **F04B 43/086** (2013.01 - EP); **F04B 43/12** (2013.01 - EP); **F04B 43/1223** (2013.01 - EP)

Citation (search report)

- [XY] DE 102010031793 A1 20120202 - HEEKE GUENTER [DE]
- [Y] DE 19824960 A1 19991216 - FUELLTEC GMBH [DE]

Cited by

CN113454337A; US12031529B2

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)

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