

Title (en)

BOTTLE DISPENSER HAVING A DIGITAL VOLUME DISPLAY

Title (de)

FLASCHENDISPENSER MIT DIGITALER VOLUMENANZEIGE

Title (fr)

DISTRIBUTEUR POUR FLACONS POURVU D'UN AFFICHAGE NUMÉRIQUE DE VOLUME

Publication

EP 2671054 A1 20131211 (DE)

Application

EP 12714203 A 20120131

Priority

- DE 102011009869 A 20110131
- DE 2012000071 W 20120131

Abstract (en)

[origin: WO2012103870A1] The invention relates to a metering device for metered intake and/or discharge of a fluid, having a piston device arranged in a housing and a device for determining the piston stroke and/or the position of the piston, wherein the device for determining the piston stroke and/or the position of the piston comprises at least one scale element and at least one measuring device, wherein the scale element is immovably arranged on the housing of the piston device and the measuring device is connected indirectly or directly to the piston and is movable therewith or wherein the scale element is arranged on the piston and is movable therewith and the measuring device is arranged immovably on the housing, and wherein the scale element is in the form of an absolutely encoded scale.

IPC 8 full level

G01F 11/02 (2006.01)

CPC (source: EP US)

B01L 3/0206 (2013.01 - EP US); **B01L 3/0217** (2013.01 - EP US); **G01F 11/021** (2013.01 - EP US); **G01F 11/023** (2013.01 - US); **G01F 11/025** (2013.01 - EP US); **B01L 2300/028** (2013.01 - EP US)

Citation (search report)

See references of WO 2012103870A1

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

DOCDB simple family (publication)

WO 2012103870 A1 20120809; CN 103459991 A 20131218; EP 2671054 A1 20131211; US 2014138404 A1 20140522; US 9651412 B2 20170516

DOCDB simple family (application)

DE 2012000071 W 20120131; CN 201280006710 A 20120131; EP 12714203 A 20120131; US 201213982742 A 20120131