

Title (en)

DOSE COUNTER FOR A METERED-DOSE INHALER AND METERED-DOSE INHALER INCLUDING SUCH A DOSE COUNTER

Title (de)

DOSISZÄHLER FÜR EINEN INHALATOR MIT ABGEMESSENER DOSIS UND DOSIERINHALATOR MIT EINEM DERARTIGEN DOSISZÄHLER

Title (fr)

COMPTEUR DE DOSES POUR UN AÉROSOL DOSEUR ET AÉROSOL DOSEUR COMPRENANT LEDIT COMPTEUR DE DOSES

Publication

**EP 2887985 A4 20160413 (EN)**

Application

**EP 13830898 A 20130822**

Priority

- US 201261691991 P 20120822
- GB 201214956 A 20120822
- US 2013056192 W 20130822

Abstract (en)

[origin: GB2505209A] A dose counter for a metered dose inhaler comprises a housing having a first portion 210 configured to receive a metered dose inhaler canister 20 and a second portion 230 including an electrical assembly and an actuation detection assembly comprising an actuation detection element 240, which may be of a piezoelectric or PVDF material which generates an output when subject to compression, force and/or deformation, and a second element in the form of a biasing element 300 or optional activation plate 310 and which are spaced apart by a gap in a rest position but are in contact and generate an actuation detection output to an electrical assembly for indexing the dose counter when in an actuation detection position. Also disclosed is a power-conserving arrangement (figures 9-11) in which a tab (236) prevents contact between a battery (420) and a contact (426) until moved by a pin (54) upon first actuation of the metered-dose inhaler.

IPC 8 full level

**A61M 15/00** (2006.01); **A61M 5/168** (2006.01)

CPC (source: EP GB)

**A61M 15/0065** (2013.01 - GB); **A61M 15/008** (2014.02 - GB); **A61M 15/009** (2013.01 - EP); **A61M 15/008** (2014.02 - EP); **A61M 2205/332** (2013.01 - EP GB); **A61M 2205/502** (2013.01 - EP GB); **A61M 2205/8212** (2013.01 - EP GB)

Citation (search report)

- [XAI] US 2011265788 A1 20111103 - WU WEI-HSIU [TW]
- [X] US 2004255936 A1 20041223 - URBANUS DAVID [US]
- [A] JP 2008161548 A 20080717 - YOSHINO KOGYOSHO CO LTD
- See references of WO 2014031853A1

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)

**GB 201214956 D0 20121003**; **GB 2505209 A 20140226**; EP 2887985 A1 20150701; EP 2887985 A4 20160413; WO 2014031853 A1 20140227

DOCDB simple family (application)

**GB 201214956 A 20120822**; EP 13830898 A 20130822; US 2013056192 W 20130822