

Title (en)
TRIGGER MECHANISM FOR AN INHALER

Title (de)
AUSLÖSERMECHANISMUS FÜR EINEN INHALATOR

Title (fr)
MÉCANISME DE DÉCLENCHEMENT POUR UN INHALATEUR

Publication
EP 3509680 B8 20240221 (EN)

Application
EP 17849386 A 20170905

Priority
• GB 201615183 A 20160907
• US 2017050057 W 20170905

Abstract (en)
[origin: GB2553535A] A breath-responsive metered dose inhaler having a trigger mechanism including a breath responsive member such as a vane 110 moveable upon inhalation of the user from a primed position in which the inhaler is prevented from delivering medicament, to a triggered position in which the medicament is delivered to the user. The vane 110 is coupled to a spring 115 which may be a helical spring, wherein the spring 115 is configured to bias the vane 110 from its triggered position to its primed position by flexure along its longitudinal axis. The vane 110 may connect to a toggle mechanism 120 via the spring 115.

IPC 8 full level
A61M 15/00 (2006.01); **A61M 16/20** (2006.01); **B21F 3/02** (2006.01)

CPC (source: EP GB US)
A61M 15/009 (2013.01 - EP US); **A61M 15/0091** (2013.01 - EP GB US); **A61M 16/20** (2013.01 - EP); **A61M 15/0021** (2014.02 - US); **A61M 15/0068** (2014.02 - US)

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 201615183 D0 20161019; **GB 2553535 A 20180314**; AU 2017324263 A1 20190328; AU 2017324263 B2 20200514; CN 109689140 A 20190426; CN 109689140 B 20210601; EP 3509680 A1 20190717; EP 3509680 A4 20200429; EP 3509680 B1 20240117; EP 3509680 B8 20240221; US 11497866 B2 20221115; US 2019275271 A1 20190912; WO 2018048790 A1 20180315

DOCDB simple family (application)
GB 201615183 A 20160907; AU 2017324263 A 20170905; CN 201780054764 A 20170905; EP 17849386 A 20170905; US 2017050057 W 20170905; US 201716331213 A 20170905