

Title (en)
POSITIVE EXPIRATORY PRESSURE DEVICES WITH FLUTTER VALVE

Title (de)
POSITIVE AUSATMUNGSDRUCKVORRICHTUNGEN MIT FLATTERVENTIL

Title (fr)
DISPOSITIFS À PRESSION EXPIRATOIRE POSITIVE À SOUPAPE FLOTTANTE

Publication
EP 4065203 A4 20231227 (EN)

Application
EP 20894104 A 20201125

Priority
• US 201916693915 A 20191125
• US 2020062193 W 20201125

Abstract (en)
[origin: WO2021108524A2] A positive pressure airway device for providing resistance in an air pathway for a patient exhaling. The device includes a central tube region, a inspiratory air passageway for passing air into the central tube region when a patient breathing through the device inhales, and an expiratory air passageway for passing air out of the central tube region when a patient breathing through the device exhales, A valve in the expiratory air passageway allows air to flow out only when a patient using the device exhales with an expiratory air pressure greater than a selected pressure, and includes a stopper and a coil spring with an interior portion that is free from any structure that would prevent or significantly inhibit the "side-to-side" movement of the spring within the housing, and thus prevent or significantly inhibit providing a therapeutically-effective oscillating flow of air through the device. The stopper has a cone-shaped air-stopping surface providing a valve angle that may be different from the valve-seat angle so that either laminar or oscillating flow may be obtained.

IPC 8 full level
A61M 16/20 (2006.01); **A61M 16/00** (2006.01)

CPC (source: EP)
A61M 16/0006 (2014.02); **A61M 16/208** (2013.01); **A61M 16/049** (2014.02); **A61M 16/0833** (2014.02); **A61M 16/0866** (2014.02); **A61M 16/1005** (2014.02); **A61M 16/125** (2014.02); **A61M 16/201** (2014.02); **A61M 16/205** (2014.02)

Citation (search report)
• [XAY] US 2017136205 A1 20170518 - RUSHER MICHAEL J [US]
• [Y] US 3511228 A 19700512 - LUNDGREN CLAES ERIK GUNNAR, et al
• See references of WO 2021108524A2

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 2021108524 A2 20210603; **WO 2021108524 A3 20210701**; EP 4065203 A2 20221005; EP 4065203 A4 20231227

DOCDB simple family (application)
US 2020062193 W 20201125; EP 20894104 A 20201125