

Title (en)

PORTABLE GAS OPERATING INHALER

Title (de)

TRAGBARER GAS-BEDIENUNGSSINHALATOR

Title (fr)

INHALATEUR PORTABLE FONCTIONNANT AU GAZ

Publication

**EP 1689474 A4 20120912 (EN)**

Application

**EP 04820761 A 20041118**

Priority

- US 2004038477 W 20041118
- US 72662703 A 20031204
- US 84541104 A 20040514

Abstract (en)

[origin: WO2005060480A2] The invention relates to an inhaler comprising a compressed gas, such as Heliox gas in a first chamber which is in communication with an equalization chamber having pressure lower than the pressure of the gas in the first compressed chamber and having a drug storage chamber which is detachably coupled to the equalization chamber operable such that a portion of the compressed gas from the equalization chamber fluidizes the drug to produce a drug cloud and which can then be injected into a spacer where it can be inhaled by a user.

IPC 8 full level

**A61M 11/02** (2006.01); **A61M 11/06** (2006.01); **A61M 15/00** (2006.01); **B65D 83/54** (2006.01)

CPC (source: EP)

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**A61M 2205/584** (2013.01); **A61M 2205/8225** (2013.01); **B65D 83/54** (2013.01)

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Designated contracting state (EPC)

DE ES FR IT

DOCDB simple family (publication)

**WO 2005060480 A2 20050707; WO 2005060480 A3 20060706;** BR PI0417154 A 20070306; CA 2549174 A1 20050707;  
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DOCDB simple family (application)

**US 2004038477 W 20041118;** BR PI0417154 A 20041118; CA 2549174 A 20041118; EP 04820761 A 20041118