

Title (en)  
OXYGEN CONSERVING DEVICE

Title (de)  
SAUERSTOFF KONSERVIERENDE VORRICHTUNG

Title (fr)  
ECONOMISEUR D'OXYGENE

Publication  
**EP 0858353 A4 19991201 (EN)**

Application  
**EP 96936610 A 19961018**

Priority  
• US 9616623 W 19961018  
• US 561695 P 19951019

Abstract (en)  
[origin: WO9714463A1] An oxygen conserving device (10) includes an inlet (26) that communicates with a source of oxygen. An outlet (28) selectively receives a pulsed oxygen flow or continuous flow, depending on the mode of operation of the device. A lever (30) allows manual switching between the continuous flow mode and the pulse mode. A valve (42) is normally closed to prevent communication between the inlet and outlet. The outlet communicates with the mass flow sensor (46) so that a signal is sent to a printed circuit board upon detection of inhalation, which then controls energization of the valve to allow communication between the inlet and outlet for a predetermined period of time, preferably on the order of one second.

IPC 1-7  
**A61M 16/00**; **A62B 7/00**; **A62B 7/04**; **A62B 9/02**; **F16K 31/02**; **F16K 31/26**

IPC 8 full level  
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CPC (source: EP)  
**A61M 16/0051** (2013.01); **A61M 16/024** (2017.07); **A61M 16/0677** (2014.02); **A62B 9/00** (2013.01); **A61M 16/107** (2014.02); **A61M 2016/0021** (2013.01)

Citation (search report)  
• [X] EP 0602734 A1 19940622 - METROPOLITAN CLINICAL LAB 1987 [CA]  
• [X] US 4823788 A 19890425 - SMITH RICHARD F M [US], et al  
• See references of WO 9714463A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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