

Title (en)  
OXYGEN CONSERVING DEVICE

Title (de)  
SAUERSTOFF KONSERVIERENDE VORRICHTUNG

Title (fr)  
ECONOMISEUR D'OXYGENE

Publication  
**EP 0858353 A1 19980819 (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  
**A61M 16/00** (2006.01); **A62B 9/00** (2006.01); **A61M 16/06** (2006.01)

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)

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9714463 A1 19970424**; AU 715963 B2 20000210; AU 7449096 A 19970507; EP 0858353 A1 19980819; EP 0858353 A4 19991201;  
NZ 321230 A 19990830

DOCDB simple family (application)  
**US 9616623 W 19961018**; AU 7449096 A 19961018; EP 96936610 A 19961018; NZ 32123096 A 19961018