

Title (en)  
APPARATUS FOR RESPIRATORY ASSISTANCE COMPRISING SEVERAL SOURCES OF BREATHING MIXTURE ARRANGED IN SERIES

Title (de)  
VORRICHTUNG ZUR UNTERSTÜTZUNG DER ATMUNG MIT SERIELLEN ATEMGASQUELLEN

Title (fr)  
APPAREIL D'ASSISTANCE RESPIRATOIRE COMPORTANT PLUSIEURS SOURCES DE GAZ RESPIRATOIRE AGENCEES EN SERIE

Publication  
**EP 1121169 A1 20010808 (FR)**

Application  
**EP 99947542 A 19991012**

Priority  
• FR 9902448 W 19991012  
• FR 9812737 A 19981012

Abstract (en)  
[origin: FR2784297A1] Assisted respiration apparatus comprises an inhalation branch (7) connected to first and second respiratory gas sources (T1, T2) which are linked pneumatically for at least part of the inhalation phase. Apparatus comprises an inhalation branch (7) connected to first and second respiratory gas sources (T1, T2) which are linked pneumatically for at least part of the inhalation phase, a secondary valve (10) and an exhalation valve (11) opened and closed by pneumatic balloons (12, 13) or membranes. It also has a commutation system with two solenoid valves (EV1, EV2) providing a sealed coupling between the first and second gas sources and maintaining a hermetic seal in the inhalation branch at least during the inhalation phase, and an additional branch (17) with gas ducts (1 - 5), the solenoid valves and a pilot controller (16).

IPC 1-7  
**A61M 16/00**

IPC 8 full level  
**A61M 16/00** (2006.01); **A61M 16/12** (2006.01); **A61M 16/20** (2006.01)

CPC (source: EP)  
**A61M 16/0069** (2014.02); **A61M 16/022** (2017.07); **A61M 16/202** (2014.02); **A61M 16/206** (2014.02); **A61M 16/208** (2013.01); **A61M 16/12** (2013.01); **A61M 2016/0021** (2013.01); **A61M 2016/0039** (2013.01)

Citation (search report)  
See references of WO 0021596A1

Designated contracting state (EPC)  
DE ES FR GB IT SE

DOCDB simple family (publication)  
**FR 2784297 A1 20000414**; **FR 2784297 B1 20021011**; AU 6095199 A 20000501; EP 1121169 A1 20010808; JP 2002527152 A 20020827; WO 0021596 A1 20000420

DOCDB simple family (application)  
**FR 9812737 A 19981012**; AU 6095199 A 19991012; EP 99947542 A 19991012; FR 9902448 W 19991012; JP 2000575568 A 19991012