

Title (en)  
RESPIRATORY APPARATUS FOR COMPRESSED-AIR BREATHING EQUIPMENT

Title (de)  
LUNGENAUTOMAT FÜR PRESSLUFTATEMGERÄTE

Title (fr)  
APPAREIL RESPIRATOIRE POUR EQUIPEMENTS RESPIRATOIRES A AIR COMPRIME

Publication  
**EP 1436046 B1 20050608 (DE)**

Application  
**EP 02772059 A 20020910**

Priority  
• DE 0203421 W 20020910  
• DE 10152454 A 20011019

Abstract (en)  
[origin: WO03037437A1] The invention relates to a respiratory apparatus comprising a housing (1), in which a valve seat (4), with an axially arranged air admission channel (6), a closing member (7), associated with said air admission channel on the exit side and a drive motor (8) are placed. A pressure sensor (15), for recording the pressure prevailing in the respective respiratory phase, is located in a measuring chamber (2), which links said air admission channel and the air exit channel (3), which is shaped in the housing and can be connected with a respiratory protective mask. Said drive motor, which is connected with the closing member of the valve device by means of a control system, is controlled on the basis of pressure ratios, prevailing on inspiration and expiration. The air supply to said respiratory protective mask is regulated according to a preset control feature. Apart from the air duct, which is exactly adapted to respiration, said respiratory apparatus is small and compact, requires few mechanical components and is insensitive to impact load.

IPC 1-7  
**A62B 9/02**

IPC 8 full level  
**A62B 9/02** (2006.01); **B63C 11/22** (2006.01)

CPC (source: EP US)  
**A62B 9/022** (2013.01 - EP US); **B63C 11/2227** (2013.01 - EP US)

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

DOCDB simple family (publication)  
**WO 03037437 A1 20030508**; AT E297237 T1 20050615; AU 2002336905 B2 20061221; DE 10152454 A1 20030508; DE 10152454 B4 20050728; DE 50203374 D1 20050714; EP 1436046 A1 20040714; EP 1436046 B1 20050608; US 2005121035 A1 20050609

DOCDB simple family (application)  
**DE 0203421 W 20020910**; AT 02772059 T 20020910; AU 2002336905 A 20020910; DE 10152454 A 20011019; DE 50203374 T 20020910; EP 02772059 A 20020910; US 49276905 A 20050127