

Title (en)
Backpressure modulating cartridge for a respiratory mask

Title (de)
Gegendruckregelkartusche für Atemmaske

Title (fr)
Cartouche modulatrice de contre-pression pour masque respiratoire

Publication
EP 0771578 A1 19970507 (FR)

Application
EP 96402315 A 19961031

Priority
• FR 9512919 A 19951102
• US 85414397 A 19970509

Abstract (en)
The cartridge has a body (2) which fits onto a respirator mask (6) and connects with the ambient medium via exhalation (13) and inhalation (22) valves. The body has two chambers (8,9) linked by a passage (10) which has a guide rod passing through it. One of the chambers is connected to the respirator mask and the other to the ambient atmosphere. The guide rod carries the mobile exhalation valve (13) with apertures (21), and the mobile inhalation valve which fits inside the passage and covers the apertures. Both valves are held under tension by coaxial spiral springs (14,23) on the guide rod which are held between the valves and stops (4,15). The guide rod is located concentrically in the housing, which has an inner annular rim defining the passage and acting as a stop for the exhalation valve.

Abstract (fr)
Masque respiratoire, La cartouche est caractérisé en ce que le corps (2) délimite deux chambres successives (8) et (9) communiquant par un passage (10) traversé par une tige-guide (12) portée par le corps, la tige-guide supporte, dans la première chambre (8), un clapet d'expiration mobile, asservi élastiquement en position de fermeture du passage et présentant des trous de transfert (21) situés en vis-à-vis dudit passage, la tige-guide supporte, dans le passage, un clapet d'inspiration mobile (22), de surface inférieure à la section du passage et asservi élastiquement de façon antagoniste au clapet d'expiration. Application au traitement de l'hypoxie <IMAGE>

IPC 1-7
A62B 18/10

IPC 8 full level
A62B 18/10 (2006.01)

CPC (source: EP US)
A62B 18/10 (2013.01 - EP US)

Citation (search report)
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Designated contracting state (EPC)
BE CH DE DK GB LI NL

DOCDB simple family (publication)
EP 0771578 A1 19970507; EP 0771578 B1 20010110; DE 69611504 D1 20010215; DE 69611504 T2 20010510; DK 0771578 T3 20010430; FR 2740691 A1 19970509; FR 2740691 B1 19980109; US 5937857 A 19990817

DOCDB simple family (application)
EP 96402315 A 19961031; DE 69611504 T 19961031; DK 96402315 T 19961031; FR 9512919 A 19951102; US 85414397 A 19970509