

Title (en)

AUTOMATIC RESPIRATION UNDER POSITIVE AIRWAY PRESSURE

Title (de)

VORRICHTUNG ZUR AUTOMATISIERTEN BEATMUNG DURCH POSITIVEN LUFTDRUCK AUF DIE ATEMWEGE

Title (fr)

DISPOSITIF DE RESPIRATION AUTOMATISEE PAR PRESSION POSITIVE EXPIRATOIRE

Publication

EP 0977608 A1 20000209 (DE)

Application

EP 98928216 A 19980422

Priority

- DE 19717106 A 19970423
- EP 9802381 W 19980422

Abstract (en)

[origin: DE19717106A1] The present invention relates to an automatic respiration system (1) involving positive airway pressure. The inventive device (1) comprises equipment (2) for measuring the breathing gas flow and comparing it with a threshold value. Further equipment (3) is provided for screening any obstructive respiratory impairment. An assessment unit (4) is provided for assessing the measurement values and determines whether it is a case of normal breathing or obstructive respiratory impairment or non obstructive respiratory impairment. Depending on the results provided by the assessment unit (4), the positive airway pressure is either maintained or modified. According to the invention, the breathing gas flow as well as the obstruction of the respiratory tract are continuously measured, thereby enabling the positive airway pressure to be individually adjusted to various states of the patient.

IPC 1-7

A61M 16/00

IPC 8 full level

A61M 16/00 (2006.01)

CPC (source: EP US)

A61M 16/024 (2017.07 - EP US); **A61M 2016/0021** (2013.01 - EP US)

Citation (search report)

See references of WO 9847554A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

DE 19717106 A1 19981029; AU 741486 B2 20011129; AU 8014898 A 19981113; CA 2287335 A1 19981029; DE 19880497 B4 20170330; DE 19880497 D2 20010412; EP 0977608 A1 20000209; JP 2001521428 A 20011106; US 6530372 B1 20030311; WO 9847554 A1 19981029

DOCDB simple family (application)

DE 19717106 A 19970423; AU 8014898 A 19980422; CA 2287335 A 19980422; DE 19880497 T 19980422; EP 9802381 W 19980422; EP 98928216 A 19980422; JP 54502998 A 19980422; US 40351899 A 19991206