Title (en)

Circuit for supplying a respiratory gas to an aircraft passenger from a pressurized source comprising a pressure regulating unit

Title (de)

Kreislauf zur Versorgung von einem Flugzeugpassagier mit einem Atemgas aus einer einen Druckregler enthaltenden Druckgasquelle

Title (fr)

Circuit de fourniture d'un gaz respiratoire pour un passager d'un aéronef d'une source sous pression comprenant un organe de régulation de pression

Publication

EP 2286877 B1 20190116 (EN)

Application

EP 09168346 A 20090821

Priority

EP 09168346 A 20090821

Abstract (en)

[origin: EP2286877A1] The present invention relates to a circuit for supplying a respiratory gas to an aircraft passenger comprising a pressurized source (1) of the respiratory gas, a respiratory mask (17) for the aircraft passenger, and a supply line (12) coupled between the pressurized source (1) and the respiratory mask (17) for supplying the respiratory gas from the pressurized source (1) to the respiratory mask (17). In order to reduce the weight of the circuit, the pressurized source (1) comprises a pressure regulating unit coupling the pressurized source (1) to the supply line (12), wherein the pressure regulating unit comprises a valve body (15) being movable from a sealing position to a regulating position range and a motor unit (6, 8) for regulating the pressure of the respiratory gas supplied to the supply line (12) by moving the valve body (15) within the regulating position range, wherein, when the valve body (15) is in the sealing position, the pressurized source (1) is sealed, and, when the valve body (15) is in the regulating position range, the pressurized source (1) is adapted for supplying the respiratory gas to the supply line (12).

IPC 8 full level

A62B 7/14 (2006.01)

CPC (source: EP)

A62B 7/14 (2013.01)

Cited by

US10493304B2; WO2014074746A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2286877 A1 20110223; **EP 2286877 B1 20190116**; CN 101991922 A 20110330; CN 101991922 B 20140402

DOCDB simple family (application)

EP 09168346 A 20090821; CN 201010259767 A 20100819