

Title (en)

Regulator valve of a circuit for reclaiming gas exhaled by a diver

Title (de)

Regelventil einer Schaltung zur Wiedergewinnung von ausgeatmetes Gas eines Tauchers

Title (fr)

Soupape de régulation d'un circuit de récupération de gaz expiré par un plongeur

Publication

EP 2522570 B1 20131009 (EN)

Application

EP 12425072 A 20120406

Priority

IT RM20110182 A 20110411

Abstract (en)

[origin: EP2522570A1] The present invention concerns a regulator valve (10) of a circuit for reclaiming gas exhaled by a diver, comprising a valve (10) inlet conduit (11) of exhaled air, directly connected to a valve (10) first chamber (A), and a valve (10) outlet conduit (12) of exhaled air, connected to a reclaim system over the sea surface by means of a reclaim conduit (23), said outlet conduit (12) being directly connected to a second chamber (C) of said valve (10), said chambers (A, C) being separated by a separator plate (9), integral with the body (8) of the regulator valve (10), said separator plate (9) defining a housing (29) for an plate with orifice (15), constituted by an inlet portion (16) facing towards said first chamber (A) and by an outlet portion (17) facing towards said second chamber, said plate (15) defining a passage (B) for connecting said chambers (A, C), said valve (10) further comprising a first membrane (14), inside said first chamber (A), for closing said inlet portion (16) of said plate (15) and a second membrane (18), in correspondence of said second chamber (C), for closing said outlet portion (17) of said plate (15), wherein said plate (15) is coupled with said housing (29) defined by said separator plate (9) by means of removable coupling means.

IPC 8 full level

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