

Title (en)
Breathing apparatus for divers.

Title (de)
Atmungsapparat für Taucher.

Title (fr)
Appareil respiratoire de plongée.

Publication
EP 0255789 A1 19880210 (FR)

Application
EP 87401695 A 19870721

Priority
FR 8610532 A 19860721

Abstract (en)
[origin: US4809691A] Breathing apparatus for diving of the type comprising a breathing bag (13), a mouthpiece (30), inhaling and exhaling ducts (16 and 17) connected to the bag and to the mouthpiece these inhaling and exhaling ducts being respectively provided with inhaling and exhaling non return valves (18 and 19), and a so called "drainage" device. The apparatus further comprises a device (22) for measuring the volume of inhaled and exhaled gas. The draining device comprises a switching means (21) which, in so called "operating" position, is adapted to direct the flow towards the exhaling valve (19), and in so called "non operating" position is adapted to direct the exhaled flow towards an outlet drain (23).

Abstract (fr)
Appareil respiratoire de plongée du genre comportant un sac respiratoire (13), un embout (30), des conduits d'inspiration (16) et d'expiration (17) reliés au sac et à l'embout, ces conduits d'inspiration et d'expiration étant respectivement munis de clapets anti-retour d'inspiration (18) et d'expiration (19), un dispositif dit "de purge". L'appareil comporte un dispositif mesureur de volume de gaz inspiré (22), un dispositif mesureur de volume de gaz expiré (22). Le dispositif de purge comporte un moyen aiguilleur (21) qui, en position dite "de travail", est adapté à diriger le flux vers le clapet d'expiration (19), et en position dite "de repos" est adapté à diriger le flux expiré vers une sortie de purge (23).

IPC 1-7
B63C 11/18; **B63C 11/24**

IPC 8 full level
B63C 11/18 (2006.01); **B63C 11/24** (2006.01)

CPC (source: EP US)
B63C 11/24 (2013.01 - EP US)

Citation (search report)
• [A] FR 2313951 A1 19770107 - BUYASSE RENE [ZA]
• [A] US 3695261 A 19721003 - EMMONS DONALD R
• [A] FR 1550305 A 19681220
• [AD] FR 1538953 A 19680913
• [AD] FR 2491428 A1 19820409 - FENZY CIE SA [FR]

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0255789 A1 19880210; **EP 0255789 B1 19900207**; AT E50220 T1 19900215; DE 3761645 D1 19900315; FR 2601598 A1 19880122; FR 2601598 B1 19881110; US 4809691 A 19890307

DOCDB simple family (application)
EP 87401695 A 19870721; AT 87401695 T 19870721; DE 3761645 T 19870721; FR 8610532 A 19860721; US 7613987 A 19870721