

Title (en)
Scuba breathing apparatus.

Title (de)
Autonomes Unterwasseratmungsgerät.

Title (fr)
Appareil respiratoire autonome pour plongée sous-marine.

Publication
EP 0615899 A3 19941117 (EN)

Application
EP 94301791 A 19940314

Priority
GB 9305256 A 19930315

Abstract (en)
[origin: EP0615899A2] Air is inhaled from a high pressure supply via a demand valve 10, a main breathing chamber 20, and a mouthpiece 30. Exhaled air passes through chamber 20, exhaust valve 40, and a secondary chamber 50, to exit via an exhaust port 60. A buoyancy jacket can be inflated from the high pressure supply via a first button-operated valve 70 and a flexible conduit 80. The jacket can also be inflated from mouthpiece 30 by depressing a second button 90 to sealably close port 60 and open a buoyancy valve 100 between chamber 50 and conduit 80. The non-return exhaust valve 40 allows air to flow in one direction from mouthpiece to jacket but prevents reverse flow. <IMAGE>

IPC 1-7
B63C 11/22; **B63C 11/08**

IPC 8 full level
B63C 11/08 (2006.01); **B63C 11/22** (2006.01)

CPC (source: EP)
B63C 11/08 (2013.01); **B63C 11/2227** (2013.01)

Citation (search report)

- [X] US 4137585 A 19790206 - WRIGHT III WILLIAM M
- [A] EP 0318157 A1 19890531 - A P VALVES [GB]
- [A] GB 2084881 A 19820421 - HARDY GEORGE BRIAN, et al
- [A] "Scuba Life Jacket Safeguards Downed Pilot", MACHINE DESIGN, vol. 37, no. 19, 19 August 1965 (1965-08-19), pages 26

Cited by
US11358690B2; SE543497C2; DE19731068A1; US8033755B2; US8459263B2; US10870469B2; WO2008012509A1; WO2007058615A1; WO2020159374A1

Designated contracting state (EPC)
BE DE ES FR IE IT NL SE

DOCDB simple family (publication)
EP 0615899 A2 19940921; **EP 0615899 A3 19941117**; GB 9305256 D0 19930505; GB 9401000 D0 19940316

DOCDB simple family (application)
EP 94301791 A 19940314; GB 9305256 A 19930315; GB 9401000 A 19940120