

Title (en)

APPARATUS TO PROVIDE DIVERS WITH ARTIFICIAL BREATHING-GAS MIXTURES

Publication

EP 0076453 A3 19831116 (DE)

Application

EP 82108949 A 19820928

Priority

DE 3139039 A 19811001

Abstract (en)

[origin: US4510932A] The invention relates to an apparatus for supplying divers with artificial respiratory gas mixtures with a counterlung, which can be fixed to a diver, which is hung on gimbals, which is adjusted independently of the particular floating position of the diver and which collects his exhaled gas. For the construction of a completely closed respiratory gas circuit system, it is constructed as a single-chamber container with a bottom opening and which uses the ambient water as the sealing fluid. The container is provided with a gas outlet connection arranged above the liquid level in the inner area of the container, which can be closed by means of a shutoff device controlled by the rising liquid level and which is connected by means of a waste gas hose line with the surface of the water or the inner area of a diving chamber or bell.

IPC 1-7

B63C 11/24

IPC 8 full level

B63C 11/18 (2006.01)

CPC (source: EP US)

B63C 11/18 (2013.01 - EP US)

Citation (search report)

- [A] FR 1479579 A 19670505 - SHELL INT RESEARCH
- [A] US 3971372 A 19760727 - LENK RONALD J, et al

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EP 82108949 A 19820928; BR 8205749 A 19820930; DE 3139039 A 19811001; NO 823296 A 19820930; US 42269182 A 19820924