

Title (en)
Underwater breathing apparatus.

Title (de)
Unterwasseratmungsgerät.

Title (fr)
Dispositif sous-marin respiratoire.

Publication
EP 0437948 A1 19910724 (EN)

Application
EP 90313674 A 19901214

Priority
US 45212989 A 19891215

Abstract (en)
An underwater breathing apparatus is provided for delivering air to a submerged diver. A manual pump (17) supplies air under pressure to a reservoir bag (12) for delivery to a diver through an air hose (24,29,31). Alternatively, the reservoir bag can be further connected by an air hose to a floatable variable-pressure reservoir bag (28) that delivers air through an air hose (29,31) to a submerged diver. In order to constantly maintain the air pressure in the reservoir bag in a preselected range, a pressure gauge (40) is provided for the pump operator, who then pumps selectively to maintain the proper air pressure. The diver wears a breathing means having a flow restrictor/shut-off valve, a one-way inlet valve (32), and a one-way exhaust valve (34) for exhalation. Additionally, an electric pump may be used either to replace the manual pump or as a back-up thereto. <IMAGE>

IPC 1-7
B63C 11/20

IPC 8 full level
B63C 11/14 (2006.01); **B63C 11/20** (2006.01)

CPC (source: EP)
B63C 11/14 (2013.01); **B63C 11/202** (2013.01); **B63C 2011/2272** (2013.01)

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

DOCDB simple family (publication)
EP 0437948 A1 19910724

DOCDB simple family (application)
EP 90313674 A 19901214