

Title (en)

Closed circuit compressed oxygen breathing device.

Title (de)

Atemschutzgerät mit komprimiertem Sauerstoff und geschlossenem Kreislauf.

Title (fr)

Appareil respiratoire à oxygène comprimé en circuit fermé.

Publication

EP 0158498 A2 19851016 (EN)

Application

EP 85302271 A 19850401

Priority

US 59597784 A 19840402

Abstract (en)

A portable closed circuit compressed oxygen breathing device 20 for emergency use that provides a regulated flow of oxygen under pressure. A low cost container 26 forms a breathing chamber 30 and an integrally formed scrubber 28, and has an injection molded plastic cover 130 having connections for a breathing tube 34, flow regulator 38, admission valve assembly 40 and relief valve 36. A combined fill passage and safety relief assembly 100, 104 is incorporated into a body 86 that houses a pressure gauge 98 and that is press fit onto an improved pressure regulating valve assembly 22. The flow regulator and admission valve control the rate of flow of oxygen to the breathing chamber, allowing rapid filling when necessary.

IPC 1-7

A62B 7/02

IPC 8 full level

A62B 7/02 (2006.01); **A62B 7/04** (2006.01); **A62B 7/10** (2006.01); **A62B 9/00** (2006.01)

CPC (source: EP)

A62B 7/10 (2013.01); **A62B 9/00** (2013.01)

Cited by

CN113679972A; GB2193644A; GB2273053A; WO2019074997A3; WO2014035330A1

Designated contracting state (EPC)

AT DE FR GB IT SE

DOCDB simple family (publication)

EP 0158498 A2 19851016; **EP 0158498 A3 19890301**; JP S6111060 A 19860118

DOCDB simple family (application)

EP 85302271 A 19850401; JP 7051085 A 19850402