Title (en)

Lifesaving floatation and breathing device

Title (de)

Rettungs- und Auftriebs- Atemgerät

Title (fr)

Dispositif respiratoire flottant de sauvetage

Publication

EP 1614620 A2 20060111 (EN)

Application

EP 05076525 A 20050704

Priority

CA 2472901 A 20040705

Abstract (en)

This lifesaving floatation and breathing device (20) comprises first (22) and second (24) inflatable bags having similar bag volumes, and a mouthpiece (26) communicating with both bags. A pressurized gas cylinder (30) filled with breathable gas is mounted to one of the bags. This pressurized gas cylinder (30) has a gas volume and a gas pressure therein. The device also has an inflator mechanism (32) mounted thereto for transferring the breathable gas from the pressurized gas cylinder (30) into one of the bags. One of the characteristics of the device is that the volume of each bag is a mathematical product of the gas volume inside the cylinder and a ratio of the gas pressure inside the cylinder over atmospheric pressure. Either bags can accept the full content of the cylinder at atmospheric pressure, thereby obviating the need for a pressure regulator or flow control orifice therein.

IPC 8 full level

B63C 9/125 (2006.01); **B63C 9/08** (2006.01)

CPC (source: EP)

B63C 9/1255 (2013.01)

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