

Title (en)  
Flotation module for submarine use

Title (de)  
Auftriebsmodul für den Unterwassereinsatz

Title (fr)  
Module de flottaison pour utilisation sous-marine

Publication  
**EP 1147984 B1 20031119 (DE)**

Application  
**EP 01109737 A 20010420**

Priority  
DE 10019578 A 20000420

Abstract (en)  
[origin: EP1147984A2] The module has a gas generator (5) for a high pressure system and a single inflatable float sack (4). The gas generator has several, separately ignitable units (11-13), which work on the float sack. A single low pressure pipe (7) contains the units, which each have a high pressure pipe (8) with a charge (20) and an ignition unit (22-25). The ignitable units are connected to each other in a row.

IPC 1-7  
**B63C 7/10; B63B 43/14**

IPC 8 full level  
**B63B 43/14** (2006.01); **B63C 7/10** (2006.01); **B63G 8/24** (2006.01)

CPC (source: EP)  
**B63C 7/10** (2013.01); **B63G 8/24** (2013.01)

Cited by  
AU2003294877B2; DE202010010994U1; WO2004056650A1

Designated contracting state (EPC)  
DE ES FR GB SE

DOCDB simple family (publication)  
**EP 1147984 A2 20011024; EP 1147984 A3 20030129; EP 1147984 B1 20031119**; DE 10019578 A1 20020214; DE 50100982 D1 20031224;  
ES 2211687 T3 20040716

DOCDB simple family (application)  
**EP 01109737 A 20010420**; DE 10019578 A 20000420; DE 50100982 T 20010420; ES 01109737 T 20010420