

Title (en)  
Inflatable flotation assembly.

Title (de)  
Aufblasbares Schwimmgerät.

Title (fr)  
Appareil de flottaison gonflable.

Publication  
**EP 0375811 A1 19900704 (EN)**

Application  
**EP 88312134 A 19881221**

Priority  
EP 88312134 A 19881221

Abstract (en)  
An inflatable flotation assembly includes a compressed gas cylinder (10) stored inside a split housing the parts (12,13) of which are held together by a releasable pivot (15) on one end and an interlocked pivoted arm at the other end which engages a flexible tab (17) aligned against the gas cylinder. The arm (43) overlies the housing to engage the releasable pivot and when unclasp ed from this engagement will rotate to pierce the cylinder (10) by deflecting the tab (17). Thereafter the expansion of a flotation bladder separates the housing while the arm remains interlocked to the tab to control the rate of gas release into the bladder by the angular inertia of the arm around its pivot.

IPC 1-7  
**B63C 9/19**

IPC 8 full level  
**B63C 9/08** (2006.01); **B63C 9/19** (2006.01); **B63C 9/23** (2006.01)

CPC (source: EP)  
**B63C 9/08** (2013.01); **B63C 9/23** (2013.01)

Citation (search report)

- [YD] US 4551106 A 19851105 - PRAGER IRWIN D [US]
- [Y] GB 966013 A 19640806 - GOODRICH CO B F
- [A] US 1932585 A 19331031 - JACKSON HARRIS EMILE

Cited by  
GB2296687A; WO0144044A1; WO2009147273A1; WO9205071A1

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

DOCDB simple family (publication)  
**EP 0375811 A1 19900704**

DOCDB simple family (application)  
**EP 88312134 A 19881221**