

Title (en)  
INFLATABLE BOOMS

Title (de)  
AUFBLASBARE AUSLEGER

Title (fr)  
BARRAGES GONFLABLES

Publication  
**EP 3420141 A1 20190102 (EN)**

Application  
**EP 17711734 A 20170223**

Priority  
• GB 201603213 A 20160224  
• GB 2017050476 W 20170223

Abstract (en)  
[origin: GB2547667A] An inflatable boom 50 comprises a series of chambers 30 and an air duct 38 extending along the boom to communicate with the chambers. A high-pressure air line 60 extends along the boom to an airflow amplifier 68 that draws in atmospheric air and exhausts that air into the air duct to inflate the chambers. The chambers are inflated by supplying high-pressure air along the boom in one direction to drive the airflow amplifier, which exhausts air to flow in the opposite direction along the boom to inflate the chambers. A later embodiment relates to a method of deflating the boom comprising applying an airflow intake of an airflow amplifier (94 figure 9) to a deflation valve (92 figure 9) and, by virtue of suction, opening the valve and drawing air from the boom through the opened valve and the airflow amplifier. The deflation valve has a valve element that is movable by engagement of the airflow intake to open the valve.

IPC 8 full level  
**E02B 15/08** (2006.01)

CPC (source: EP GB)  
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Citation (search report)  
See references of WO 2017144888A1

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