

Title (en)

Inflatable device with straps connected between an upper layer and lower layer thereof

Title (de)

Aufblasbare Vorrichtung mit zwischen einer oberen und einer unteren Schicht verbundenen Streifen

Title (fr)

Dispositif gonflable à bretelles reliées entre une couche supérieure et couche inférieure de ce dernier

Publication

EP 2777436 A1 20140917 (EN)

Application

EP 14000861 A 20140311

Priority

US 201313843759 A 20130315

Abstract (en)

An inflatable device (1) includes an upper layer (11), a lower layer (12), and at least one strap (14) alternately connected to the upper layer (11) and the lower layer (12) to form a wavelike pattern between the upper layer (11) and the lower layer (12) so as to limit deformation of both the upper layer and the lower layer. The strap (14) includes a plurality of first contact portions (14A) connected to the upper layer (11), and a plurality of second contact portions (14B) connected to the lower layer (12). The first contact portions (14A) are offset from the second contact portions (14B) in a horizontal plane respectively defined by the upper layer (11) and the lower layer (12), such that the first contact portions (14A) are not superimposed with the second contact portions (14B) from a perspective orthogonal to the upper and lower layers (11, 12).

IPC 8 full level

A47C 27/08 (2006.01)

CPC (source: EP US)

A47C 17/86 (2013.01 - US); **A47C 27/087** (2013.01 - EP US)

Citation (search report)

- [X] US 2011113551 A1 20110519 - LIN PING-TING [TW]
- [X] US 2003200610 A1 20031030 - WANG CHENG-CHUNG [TW]
- [X] US 2887692 A 19590526 - BERVEIR GOSMAN CLARENCE
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- [A] US 2009165211 A1 20090702 - SONG RONG-JYH [TW], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 14000861 A 20140311; CA 2844347 A 20140228; CN 201410084878 A 20140310; JP 2014050300 A 20140313;
US 201313843759 A 20130315