

Title (en)
INFLATABLE SHELTER

Title (de)
VERFAHREN UND VORRICHTUNG ZUM AUFBAU EINER STRUKTUR

Title (fr)
PROCÉDÉ ET APPAREIL DE CONSTRUCTION D'UNE STRUCTURE

Publication
EP 3715559 A1 20200930 (EN)

Application
EP 20275061 A 20200320

Priority
US 201962823063 P 20190325

Abstract (en)
An inflatable structure that can be easily transported, inflated, assembled, disassembled and stored with minimal if any tools and in a fraction of the time associated with prior art structures. The inflatable structure is comprised of a plurality of interchangeable structural members removably attached to one another, and that afford the user virtually endless design options and superior weatherproofing and insulating qualities. The structural member further comprises a plurality of filaments positioned in an airtight void, wherein said plurality of filaments are in tension when the structural member is inflated.

IPC 8 full level
E04H 1/00 (2006.01); **E04H 15/20** (2006.01)

CPC (source: EP US)
E04H 1/1205 (2013.01 - US); **E04H 15/20** (2013.01 - EP US); **E04B 2001/1939** (2013.01 - EP); **E04H 1/005** (2013.01 - EP); **E04H 2015/201** (2013.01 - EP US); **E04H 2015/202** (2013.01 - EP); **E04H 2015/204** (2013.01 - US); **E04H 2015/206** (2013.01 - EP); **E04H 2015/207** (2013.01 - EP)

Citation (search report)

- [X] US 2955606 A 19601011 - WALKER ALAN B
- [XI] US 3390491 A 19680702 - HAYDEN HOWARD L, et al
- [XYI] US 5152018 A 19921006 - LEA JAMES [US]
- [Y] US 2012291362 A1 20121122 - MILO THOMAS KEVIN [US], et al
- [XAI] KR 101534793 B1 20150724 - ZEDKOREA INC [KR]
- [A] US 2017081867 A1 20170323 - WASSON GARY D [US]

Cited by
RU205744U1

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)
EP 3715559 A1 20200930; US 2020308865 A1 20201001

DOCDB simple family (application)
EP 20275061 A 20200320; US 202016822163 A 20200318