

Title (en)
OPTIMIZED INFLATABLE BARRIERS

Title (de)
OPTIMIERTE AUFBLASBARE BARRIEREN

Title (fr)
DIGUES GONFLABLES OPTIMISÉES

Publication
EP 4093249 A4 20240717 (EN)

Application
EP 21744866 A 20210124

Priority

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- US 202017019252 A 20200912
- US 2021014825 W 20210124

Abstract (en)
[origin: WO2021151048A1] An inflatable barrier separates a first section from a second section of space, providing containment for the first section. The air pressure in the first section is different than in the second section. The inflatable barrier includes an inflatable bag that has edge seals in the form of parallel tubes that may be inflatable. The inflatable bag receives air from an air mover through a first opening that may be reinforced with webbing. It has a vent carrier that can hold a vent. The vent releases air into the first or second section while the bag stays inflated. A tension rod prevents the bag from bulging out of shape. The bag may be hung from an expandable rod. An internal channel may route air through the whole bag. Edge hooks and a ballast container may minimize air gaps around sides and bottom.

IPC 8 full level
A47G 5/00 (2006.01); **E06B 9/00** (2006.01); **F26B 3/02** (2006.01); **F26B 21/00** (2006.01)

CPC (source: EP)
E06B 9/02 (2013.01); **A47G 5/00** (2013.01); **E06B 2009/007** (2013.01)

Citation (search report)

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- [YA] US 2007181271 A1 20070809 - EARNEST TODD [US]
- [A] JP 2002013363 A 20020118 - TAKENAKA KOMUTEN CO, et al
- [A] US 4515070 A 19850507 - BOBJER OLLE [SE], et al
- See also references of WO 2021151048A1

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

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