

Title (en)
Inflatable evacuation mattress

Title (de)
Aufblasbare Rettungsmatratze

Title (fr)
Matelas d'évacuation gonflable

Publication
EP 2524681 A1 20121121 (FR)

Application
EP 12167948 A 20120514

Priority
FR 1101493 A 20110516

Abstract (en)
The mattress (1) has an elongate chamber comprising a planar main wall (5a) and another planar main wall braced by flexible links that are formed of drop-stitch yarns and are resistant to inflation pressure of the mattress. The chamber is extended by two raised lateral strips (15a, 15b) on both sides of a base (9) beyond a transition area where the braced walls are close to each other. A seam, at the location of the transition area, brings the walls together for causing a fold between the base and each strip, where the seam and the walls are covered by sealed lining walls at folded areas.

Abstract (fr)
Il s'agit d'un matelas gonflable (1) comprenant une enceinte (3) délimitée par deux parois principales (5a, 5b) sensiblement planes, approximativement parallèles, étanches aux gaz, entretoisées par des liens souples (7). L'enceinte (3) définit un fond (9) et se prolonge de part et d'autre de celui-ci, au-delà d'une zone de transition (13a, 13b, 17) où les deux parois principales entretoisées (5a, 5b ; 50a, 50b) sont plus proches, par deux bandes latérales relevées (15a, 15b) de sorte à flanquer latéralement la personne (11).

IPC 8 full level
A61G 1/01 (2006.01); **A62B 1/02** (2006.01); **A61G 7/05** (2006.01)

CPC (source: EP US)
A61G 1/01 (2013.01 - EP US); **A62B 1/02** (2013.01 - EP US); **A62B 31/00** (2013.01 - EP US); **A61G 1/013** (2013.01 - EP US); **A61G 7/0504** (2013.01 - EP US)

Citation (search report)
• [I] EP 1726332 A1 20061129 - KOBUSINSKI KARL [SE]
• [A] US 5552205 A 19960903 - LEA JAMES M [US]
• [A] US 2010299837 A1 20101202 - YANDLE TOM [US]
• [A] US 2003106155 A1 20030612 - ARAI LISA [US]

Cited by
CN110236798A; FR3114228A1; WO2022064135A1

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 2524681 A1 20121121; EP 2524681 B1 20151125; EP 2524681 B8 20160113; FR 2975282 A1 20121123; FR 2975282 B1 20131227; US 2012291203 A1 20121122; US 8782833 B2 20140722

DOCDB simple family (application)
EP 12167948 A 20120514; FR 1101493 A 20110516; US 201213471732 A 20120515