

Title (en)
Anti-bedsore inflatable mattress

Title (de)
Antidekubitus aufblasbare Matratze

Title (fr)
Matelas gonflable anti-escarres

Publication
EP 2070503 A1 20090617 (FR)

Application
EP 08370024 A 20081204

Priority
FR 0708716 A 20071214

Abstract (en)
The mattress (M) has a sheet connected to another sheet by soldering to form a set of anti-fall inflatable cells (C) which are defined by main transversal solders (4) and secondary connection solders (5) and are aligned along a central longitudinal axis (A) of the mattress, where the cells are individually inflatable. The solders are realized such that the cells present an upper carrier support (SP) at an inflated state. The carrier support forms a cup point that is transversally oriented with respect to the longitudinal axis of the mattress, so that the support is curved towards the exterior.

Abstract (fr)
L'invention concerne un matelas gonflable anti-escarres (M) comprenant une première feuille liée par soudage, et notamment par thermo-soudage, à une deuxième feuille en sorte de former une pluralité de cellules (C) qui sont délimitées par des soudures (4, 5), qui sont gonflables individuellement et qui sont alignées selon un axe longitudinal (A) du matelas. Les soudures (4, 5) sont réalisées de manière à ce que plusieurs cellules (C), dites antichute, comportent à l'état gonflé une surface porteuse (SP) formant une cuvette orientée transversalement par rapport à l'axe longitudinal (A) du matelas.

IPC 8 full level
A61G 7/057 (2006.01)

CPC (source: EP)
A61G 7/05776 (2013.01)

Citation (applicant)

- US 5704084 A 19980106 - EVANS JOHN JAMES HENRY [GB], et al
- US 2006282955 A1 20061221 - GILCHREST EDWARD JR [US], et al
- US 6085372 A 20000711 - JAMES INGRID B [US], et al
- US 5774917 A 19980707 - LIU ANTONY CHING-FONG [TW]
- FR 2883728 A1 20061006 - SANTE SERVICE SARL [FR]
- US 6134732 A 20001024 - CHAPMAN PAUL WILLIAM [GB], et al

Citation (search report)

- [XY] US 3678520 A 19720725 - EVANS RONALD JAMES PETER
- [Y] US 6351863 B1 20020305 - MEYER ERIC R [US], et al
- [A] EP 0962210 A2 19991208 - MOLLEN CORP [JP]
- [A] FR 2757377 A1 19980626 - SUPPORT SYSTEMS INTERNATIONAL [FR]

Cited by
US9849052B2; WO2013024281A1; WO2022193967A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2070503 A1 20090617; EP 2070503 B1 20110504; AT E507810 T1 20110515; DE 602008006654 D1 20110616; FR 2924927 A1 20090619; FR 2924927 B1 20091225

DOCDB simple family (application)
EP 08370024 A 20081204; AT 08370024 T 20081204; DE 602008006654 T 20081204; FR 0708716 A 20071214