

Title (en)

Apparatus with inflatable mattress and method for supporting a patient with said apparatus

Title (de)

Vorrichtung mit aufblasbarer Matratze und Verfahren zum Unterstützen eines Patienten mit einer solchen Vorrichtung

Title (fr)

Dispositif de matelas gonflable et procédé de support de patient avec un tel dispositif

Publication

**EP 2735293 A1 20140528 (EN)**

Application

**EP 13194552 A 20131127**

Priority

IT VR20120233 A 20121127

Abstract (en)

Method of operation of a system (110) for supporting a patient, that comprises: - an inflatable mattress (10) comprising a first series of cells (21) and a second series of cells (25); - detecting means to detect the air pressure in the inside of the first series of cells (21) and the air pressure in the inside of the second series of cells (25); - a compressor (60) to inflate said inflatable mattress (10); - a valve (64) having a discharge connection (70) for the discharge in the outer ambient, said valve (64) being connected through a first conduit (72) to the first series of cells (21) of the inflatable mattress (10), through a second conduit (74) to the second series of cells (25), and through a feed conduit (62) to the compressor (60); - a controller (100), connected to the valve (64), to the pressure detecting means and to the compressor (60); characterized by the fact that the system comprises further: - at least one control chamber (30, 38, 48, 66, 94, 96, 120), placed under the patient and connected to a pressure sensor (98), to the compressor (60) in order to be inflated, and to a discharge (70) in order to be deflated; said pressure sensor (98) being connected to the controller (100). The method is adapted to calculate the supporting pressure of a patient on an inflatable bedsores mattress (10) on the base of parameters such as, for instance, weight and position.

IPC 8 full level

**A61G 7/057** (2006.01)

CPC (source: EP)

**A61G 7/05776** (2013.01); **A61G 2203/34** (2013.01)

Citation (search report)

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- [XY] US 2009007341 A1 20090108 - ROFF SIMON MICHAEL [GB], et al
- [X] US 6058537 A 20000509 - LARSON LYNN D [US]
- [XY] EP 2465480 A1 20120620 - MKS INNOVATECH S R L [IT]

Cited by

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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)

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DOCDB simple family (publication)

**EP 2735293 A1 20140528**; **EP 2735293 B1 20150930**; ES 2550516 T3 20151110; IT VR20120233 A1 20140528

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