

Title (en)

Air cushion bed with sensing mat capable of detecting the lying of a patient thereon

Title (de)

Luftkissenbett mit Sensormatratze zur Erkennung eines darauf liegenden Patienten

Title (fr)

Lit à coussin d'air doté d'un tapis de détection capable de détecter le fait qu'un patient soit allongé dessus

Publication

EP 2614806 A1 20130717 (EN)

Application

EP 12151003 A 20120112

Priority

EP 12151003 A 20120112

Abstract (en)

An air cushion bed includes an inflatable air mattress; a first sensing mat provided on an outer surface of the air mattress and including a first upper and a first lower sensing sheet with a first soft pad sandwiched between them; and a first determining module electrically connected to the first upper and lower sensing sheets. When the first sensing mat is compressed and the first upper and lower sensing sheets are electrically connected to each other via holes on the first soft pad, the first determining module determines there is a patient lying on the air mattress or the air mattress with a patient lying thereon is insufficiently inflated. A second sensing mat and a second determining module can be additionally provided on another outer surface of the air mattress opposite to the first sensing mat for the air cushion bed to determine both of the above two situations.

IPC 8 full level

A61G 7/057 (2006.01)

CPC (source: EP)

A61G 7/0527 (2016.10); **A61G 7/05769** (2013.01)

Citation (search report)

- [X] WO 2005059486 A1 20050630 - HILL ROM SERVICES INC [US], et al
- [A] US 2007235231 A1 20071011 - LOOMIS GARY [US], et al
- [Y] EP 1884224 A2 20080206 - HILL ROM SERVICES INC [US]
- [Y] US 2005145045 A1 20050707 - PAPAKOSTAS THOMAS [US], et al
- [T] TEKSCAN: "Body Pressure Measurement System for R&D", XP002678039, Retrieved from the Internet <URL:http://www.tekscan.com/body-pressure-measurement> [retrieved on 20120618]

Cited by

CN111345956A

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 2614806 A1 20130717

DOCDB simple family (application)

EP 12151003 A 20120112