

Title (en)
REPOSE SIMULATOR

Title (de)
LIEGESIMULATOR

Title (fr)
SIMULATEUR POUR MATELAS

Publication
EP 2490575 A1 20120829 (DE)

Application
EP 10779256 A 20101019

Priority
• AT 16572009 A 20091021
• EP 2010065680 W 20101019

Abstract (en)
[origin: WO2011048072A1] The invention relates to a method for determining and for individually adapting the support function in individual sections of a repose mattress to a target person, wherein the repose mattress comprises support elements having different degrees of hardness in the individual sections of the mattress, and a measurement mattress (10) having dimensions substantially identical to those of the repose mattress is used, wherein the support elements of the repose mattress are replaced in the measurement mattress (10) by air chambers (11), the pressure thereof being individually controllable and adjustable, and the pressure in each individual air chamber (11) being adjusted for producing a pressure profile, such that the repose comfort of the target person lying on the measurement mattress (10) is optimized, in order to subsequently use the identified pressure values for adapting the support function in the individual sections of the repose mattress by selecting those support elements having hardness levels corresponding to the pressure values of the air chambers (11) of the measurement mattress (10).

IPC 8 full level
A47C 31/12 (2006.01)

CPC (source: EP)
A47C 31/123 (2013.01)

Citation (search report)
See references of WO 2011048072A1

Cited by
ES2631134A1; NL2013708B1; AT523087A1; AT523087B1; WO2021237258A1; WO2021072471A1

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

DOCDB simple family (publication)
AT 507658 A4 20100715; AT 507658 B1 20100715; EP 2490575 A1 20120829; EP 2490575 B1 20150408; ES 2541708 T3 20150723; WO 2011048072 A1 20110428

DOCDB simple family (application)
AT 16572009 A 20091021; EP 10779256 A 20101019; EP 2010065680 W 20101019; ES 10779256 T 20101019