Title (en)

METHOD AND APPARATUS FOR SUPPORTING AN OBJECT REQUIRING SUPPORT, IN PARTICULAR A PATIENT'S BODY WITH INTEGRATED SYSTEM FOR DYNAMIC AND AUTOMATIC PRESSURE EQUALISATION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR UNTERSTÜTZUNG EINES PATIENTENKÖRPERS, MIT INTEGRIERTEM DYNAMISCHEM UND AUTOMATISCHEM BALANCIERSYSTEM

Title (fr)

PROCEDE ET APPAREIL DE SUPPORT D'UN ELEMENT A SUPPORTER, EN PARTICULIER LE CORPS D'UN PATIENT, A SYSTEME INTEGRE D'EQUILIBRE DYNAMIQUE ET AUTOMATIQUE DE PRESSION

Publication

EP 1056372 A1 20001206 (FR)

Application

EP 99902624 A 19990209

Priority

- FR 9900277 W 19990209
- FR 9801466 A 19980209

Abstract (en)

[origin: US6094762A] A method and apparatus to comfortably support a patient on an inflatable chamber. The support apparatus includes an inflatable mattress and a pump to correct the pressure of the mattress. An inflatable chamber is provided below the mattress to act as a pressure transducer. When the difference in pressure between the inflatable mattress and the inflatable sensor reaches a predetermined value, a controller actuates a correction device including a pump and a release valve to correct the pressure of the inflatable mattress. The apparatus allows the mattress to be automatically maintained at a desirable pressure.

IPC 1-7

A47C 31/12; A47C 27/08; A47C 27/10

IPC 8 full level

A47C 27/08 (2006.01); **A47C 27/10** (2006.01); **A47C 31/12** (2006.01); **A61G 7/057** (2006.01)

CPC (source: EP US)

A61G 7/05769 (2013.01 - EP US); A61G 2203/34 (2013.01 - EP US); A61G 2203/36 (2013.01 - EP US); A61G 2203/44 (2013.01 - EP US)

Cited by

EP2050425A1; EP2289476A1; EP3228294A1; EP2005929A1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

US 6094762 A 20000801; AT E238724 T1 20030515; AU 2285199 A 19990823; BR 9907786 A 20001017; CA 2319594 A1 19990812; DE 69907416 D1 20030605; DE 69907416 T2 20040108; EP 1056372 A1 20001206; EP 1056372 B1 20030502; FR 2774573 A1 19990813; FR 2774573 B1 20000428; JP 2002501799 A 20020122; WO 9939613 A1 19990812

DOCDB simple family (application)

US 5509698 A 19980403; AT 99902624 T 19990209; AU 2285199 A 19990209; BR 9907786 A 19990209; CA 2319594 A 19990209; DE 69907416 T 19990209; EP 99902624 A 19990209; FR 9801466 A 19980209; FR 9900277 W 19990209; JP 2000530127 A 19990209