

Title (en)

METHOD AND APPARATUS FOR QUICK SUBSTANTIALLY COMPLETE DEFLATING AND EMPTYING OF AN INFLATABLE CHAMBER, IN PARTICULAR A SUPPORT DEVICE CHAMBER SUCH AS A MATTRESS

Title (de)

VERFAHREN UND GERÄT ZUM SCHNELLEN ENTLEEREN EINER LUFTKAMMER, INSBESONDERE FÜR EINE KÖRPERSTÜTZE WIE EINE MATRATZE

Title (fr)

PROCEDE ET APPAREIL DE DEGONFLAGE RAPIDE ET DE VIDAGE SENSIBLEMENT TOTAL D'UNE CHAMBRE GONFLABLE, EN PARTICULIER UNE CHAMBRE D'UN DISPOSITIF DE SUPPORT, TEL QU'UN MATELAS

Publication

EP 0973425 A1 20000126 (FR)

Application

EP 98914947 A 19980319

Priority

- FR 9800549 W 19980319
- FR 9703331 A 19970319

Abstract (en)

[origin: US5947168A] A method and apparatus for rapidly deflating a chamber. The apparatus for rapidly inflating an inflatable chamber of determined inflation volume with an inflation fluid comprises an inflation device for inflating said inflatable chamber with an inflation fluid to a predetermined inflation pressure, and further comprises a rapid deflation device for rapidly deflating said chamber by sucking out said inflation fluid at a high flow rate, the rapid deflation device being used on deactivating said chamber, in particular so as to transport it with its volume being reduced to as small as possible.

IPC 1-7

A47C 27/10; **A47C 27/08**

IPC 8 full level

A47C 27/08 (2006.01); **A47C 27/10** (2006.01); **A61G 7/05** (2006.01)

CPC (source: EP US)

A61G 7/05776 (2013.01 - EP US)

Citation (search report)

See references of WO 9841128A1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

US 5947168 A 19990907; AT E206024 T1 20011015; AU 6925398 A 19981012; BR 9808618 A 20000516; CA 2283946 A1 19980924; CA 2283946 C 20060905; DE 69801817 D1 20011031; DE 69801817 T2 20020411; EP 0973425 A1 20000126; EP 0973425 B1 20010926; ES 2165153 T3 20020301; FR 2760967 A1 19980925; FR 2760967 B1 19990806; JP 2001516241 A 20010925; WO 9841128 A1 19980924

DOCDB simple family (application)

US 4463598 A 19980319; AT 98914947 T 19980319; AU 6925398 A 19980319; BR 9808618 A 19980319; CA 2283946 A 19980319; DE 69801817 T 19980319; EP 98914947 A 19980319; ES 98914947 T 19980319; FR 9703331 A 19970319; FR 9800549 W 19980319; JP 54020998 A 19980319