

Title (en)

METHOD AND APPARATUS FOR ALTERNATING PRESSURE OF A LOW AIR LOSS PATIENT SUPPORT SYSTEM.

Title (de)

VERFAHREN UND VORRICHTUNG FÜR DEN DRUCKWECHSEL IN EINEM PATIENTENAUFLAGESYSTEM MIT WENIG LUFTVERLUST.

Title (fr)

PROCEDE ET APPAREIL POUR ALTERNER LES PRESSIONS DANS UN SYSTEME DE SUPPORT D'UN PATIENT A FAIBLE PERTE D'AIR.

Publication

EP 0316443 A4 19900312 (EN)

Application

EP 88906306 A 19880601

Priority

- US 8801861 W 19880601
- US 5796587 A 19870601

Abstract (en)

[origin: WO8809651A1] Method and apparatus for preventing bed sores in a bedridden patient. A low air loss bed (10) is provided including a frame (12), a first set of substantially rectangular air bags (58) for supporting a patient thereon mounted transversely on the frame, and a second set of substantially rectangular air bags (58) for supporting a patient thereon mounted transversely on the frame, and all of the air bags are connected to a gas source. The configuration of the air bags (58) is such that when the first set of air bags (58) is inflated, the patient supported thereon is moved toward the first side of the frame (12) of the low air loss bed (10) and when the second set of air bags (58) is inflated while the first set of air bags (58) is deflated, the patient is moved toward the second side of the low air loss bed (10). The configuration of the air bags (58) also retains the patient on the top surface of the air bags when the patient is rolled in one direction or the other. The operator of the low air loss bed defines the pressures in individual air bags (58) corresponding to each of three positions to which the patient is rotated. The pressures are maintained by a feed back control system which actuates valves connecting the gas source to separate sets of air bags. The three positions to be sequentially attained thereby causing controlled oscillation of the patient from one side of the bed frame to the other. Because each rotation position corresponds to operator defined pressures, the oscillation is customized for individuals of different body weights.

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IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

- [X] EP 0168213 A2 19860115 - TALLEY MEDICAL EQUIPMENT LTD [GB]
- [APD] EP 0260087 A2 19880316 - KINETIC CONCEPTS INC [US]
- [E] US 4797962 A 19890117 - GOODE BARRY L [US]
- See references of WO 8809651A1

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WO 8809651 A1 19881215; AT E125686 T1 19950815; AU 1962188 A 19890104; CA 1305587 C 19920728; DE 3854255 D1 19950907; DE 3854255 T2 19960418; DK 41989 A 19890331; DK 41989 D0 19890131; EP 0316443 A1 19890524; EP 0316443 A4 19900312; EP 0316443 B1 19950802; FI 890455 A0 19890131; FI 890455 A 19890131; IE 71521 B1 19970212; IE 881626 L 19881201; JP 2825250 B2 19981118; JP H02500087 A 19900118; KR 890701074 A 19891219; KR 970002930 B1 19970313; MX 170003 B 19930804

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