

Title (en)

Dual hydraulic hospital bed with emergency bypass circuit.

Title (de)

Doppelt hydraulisches Krankenhausbett mit Umgehungskreis.

Title (fr)

Lit d'hôpital hydraulique double avec circuit à by-pass.

Publication

**EP 0341358 A1 19891115 (EN)**

Application

**EP 88304313 A 19880512**

Priority

EP 88304313 A 19880512

Abstract (en)

A hydraulically operated hospital bed (10) with dual hydraulic power systems for operation with or without electrical service has its head and thigh/leg elevation functions performed by hydraulic cylinders (56,66). A control circuit meters the introduction and removal of hydraulic fluid from these cylinders (56, 66) so an occupant (80) of the bed (10) is not subjected to any sudden movement. In case of an emergency requiring the bed occupant (80) to be in a supine position (the need to perform CPR), the normal control circuit is bypassed by an emergency circuit (134,136,138,140) that allows much faster than normal lowering of the head and thigh/leg portions (52,62,64) of the bed (10).

IPC 1-7

**A61G 7/00**

IPC 8 full level

**A61G 7/002** (2006.01); **A61G 7/012** (2006.01); **A61G 7/018** (2006.01)

CPC (source: EP)

**A61G 7/002** (2013.01); **A61G 7/012** (2013.01); **A61G 7/018** (2013.01); **A61G 7/0507** (2013.01); **A61G 7/0509** (2016.10); **A61G 7/0524** (2016.10)

Citation (search report)

- [X] US 4669136 A 19870602 - WATERS JEAN B [US], et al
- [X] US 4667354 A 19870526 - CAREY JR JOHN S [US], et al
- [A] GB 1124725 A 19680821 - GEOFFREY CARTER STEEL
- [A] CH 280033 A 19511231 - HAUSMANN AG SCHWEIZ MEDIZINAL [CH]
- [A] DE 2610204 A1 19770707 - KERWIT MEDICAL PRODUCTS INC
- [AD] US 3149349 A 19640922 - TED NELSON
- [AD] US 3281141 A 19661025 - SMILEY ELDRIDGE H, et al
- [AD] US 2217783 A 19401015 - BELL WILLIAM D
- [AD] US 4559655 A 19851224 - PECK WILLIAM [US]
- [E] US 4751754 A 19880621 - BAILEY DAVID W [US], et al

Cited by

EP1579835A1; US6008598A; FR2676643A1; RU2699008C1; EP0504975A1; US6106576A; US5600214A; US5544376A; US6396224B1; US6336617B1; US8522695B2; US6270047B1; WO2007124754A3; WO2009116859A1; WO9420057A1; EP1184026A1; WO0217846A1; US8627522B2; US9003581B2; US6460816B1; US6336618B1; EP1092408A2; WO2007054681A1; WO9200712A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

**EP 0341358 A1 19891115; EP 0341358 B1 19921125**; AT E82678 T1 19921215; DE 3876238 D1 19930107; DE 3876238 T2 19930401

DOCDB simple family (application)

**EP 88304313 A 19880512**; AT 88304313 T 19880512; DE 3876238 T 19880512