

Title (en)
Fluidized hospital bed.

Title (de)
Fluidisiertes Krankenbett.

Title (fr)
Lit d'hôpital fluidisé.

Publication
EP 0275618 A1 19880727 (EN)

Application
EP 87300613 A 19870123

Priority
EP 87300613 A 19870123

Abstract (en)
Fluidized hospital bed (10) is provided incorporating a segmented, adjustable patient support structure having a plurality of flexible air impervious air bags (30) releasably secured thereto. An air supply (56) is provided for maintaining controllable inflation of selected groups of the air bags (30) with air pressure therein being selectively and automatically adjustable for patient comfort and for emergency patient care. Each of the air bags (30) has a single air inlet in communication with the air supply (56) and multiple air vent holes (54) along the upper side portions thereof or ventilation, patient heating or cooling and removal of moisture. Convex upper surface portions (34, 36, 38) of the air bags (30) facilitate support of the patient without wrapping of air bag material about the patient. The fluidized hospital bed system (10) is powered electrically with both AC and DC current, enabling battery override in the event of failure of the AC power supply. The power supply system also permits the hospital bed to be disconnected from the AC power supply and transported to other areas of the hospital facility while continuous operation is maintained by the self contained DC supply. Patient support and positioning apparatus enables the bed structure (10) to support patients of virtually any size and weight. A movable footboard (210) and collapsible bed-rail (150) assembly are provided which promote patient comfort and easy access such as for emergency patient care treatment.

IPC 1-7
A61G 7/04; **A47C 27/10**

IPC 8 full level
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CPC (source: EP)
A61G 7/0507 (2013.01); **A61G 7/0509** (2016.10); **A61G 7/05784** (2016.10)

Citation (search report)
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