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(54) **Bed apparatus**

(57) A bed apparatus has a support frame (25) and a rotation frame (32) having a one-end side and other-end side supported on the rotation frame (32) in a width direction so that one of these end sides each serving as a fulcrum is rotatably supported. The rotation frame (32) is rotationally driven by a rotation link mechanism (40A) which is driven by a first drive source (37). A bed plate structure (61) is provided on the rotation frame (32) and comprises a middle bed plate assembly (62) and a pair of side bed plate assemblies (64) provided one at each side of the middle bed plate assembly (62) and connected to be rotatable only in an upward direction. The

bed plate structure (61) is driven by raising/lowering drive means (71) having a second drive source (73) to allow it to be raised and lowered. The first drive source (37) and second drive source (73) are inhibited by mutual drive inhibiting circuits (105, 106) from being mutually driven. Before the rotation driving of the bed plate structure (61) by the first drive source (37), the second drive source (73) is driven by the preferential return circuit (108) to allow the bed plate structure (61) to be returned back to a not-raised flat state.

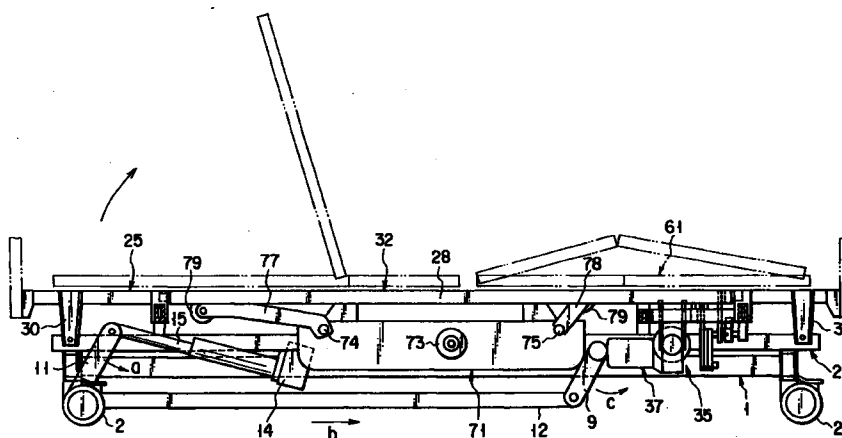


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 96 12 0729

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	US 5 303 437 A (HUNG YUNG-FENG) * the whole document *	1,10-12	A61G7/002
A	US 5 479 665 A (CASSIDY JOSEPH P ET AL) * column 3, line 25 - column 7, line 53; figures *	1	
A	US 5 299 334 A (GONZALEZ FELIPE J) * column 5, line 59 - column 9, line 35; figures *	3,4,9-11	
A	US 3 763 507 A (PROPST R) * column 17, line 43 - column 20, line 28; figures 14-22 *	5,6,8	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6) A61G
Place of search THE HAGUE		Date of completion of the search 20 March 1998	Examiner Baert, F
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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