EP 0 737 465 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 05.03.1997 Bulletin 1997/10

(51) Int Cl.6: A61G 7/10

(11)

(43) Date of publication A2: 16.10.1996 Bulletin 1996/42

(21) Application number: 96302545.7

(22) Date of filing: 11.04.1996

(84) Designated Contracting States: **DE ES FR GB IT**

(30) Priority: 11.04.1995 JP 85295/95

(71) Applicant: Aprica Kassai Kabushikikaisha Osaka-shi, Osaka 542 (JP)

(72) Inventors:

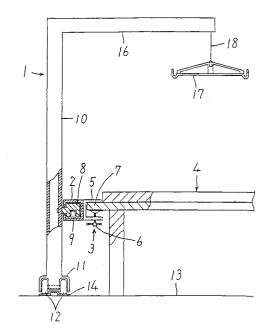
 Yamamoto, Hiroyasu Osaka-shi, Osaka (JP)

- Kassai, Kenzou
 Osaka-shi, Osaka (JP)
- (74) Representative: Abbie, Andrew Kenneth et al R.G.C. Jenkins & Co.
 26 Caxton Street London SW1H 0RJ (GB)

(54) Lift apparatus for invalid

(57)A lift apparatus for an invalid comprises a guide rail (57a) which is detachably mounted on a bed (52) on one longitudinal end thereof to extend widthwise along the bed (52), a movable body (58a, 58b) which is guided to be movable along the guide rail (57a), and lift means (51) which is mounted on the movable body (58a, 58b). The lift means (51) includes an upright (59) which is fixed to the movable body (58a) on a side portion to extend in the vertical direction, and an arm member (65) having a first end which is coupled to an upper end portion of the upright (59) and a second end which serves as a working end. The guide rail is mounted on a movable part of a vertically movable bed (52), and the movable body (58a) is vertically slidably mounted on the upright (59). According to this structure, the upright of the lift means itself is not vertically moved but enables cross-directional movement along the guide rail upon vertical movement of the movable part of the bed comprising a vertically movable mechanism.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number EP 96 30 2545

Category	OCUMENTS CONSIDERED TO BE RELEVANT Citation of document with indication, where appropriate, Releva		Relevant	ant CLASSIFICATION OF THE	
Category	of relevant pa		to claim	APPLICATION (Int.Cl.6)	
A	EP-A-0 475 691 (APR KABUSHIKIKAISHA) * claims; figures *		1,7	A61G7/10	
Α	US-A-4 686 727 (WIL * column 3, line 37 4A,4B *	KINSON) - line 62; figures	1,7		
				TECHNICAL FIELDS	
				A61G (Int.Cl.6)	
	The present search report has b	een drawn up for all claims			
	Place of search	Date of completion of the search		Examiner	
		8 January 1997			
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		NTS T: theory or print E: earlier patent after the fill other D: document cit L: document cit	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		