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(54) Lifting device.

(57) A mobile lifting device for handling incapacitated, injured or infirm comprises a column (15) mounted on a chassis supported by ground engaging wheels (w) incorporating a chassis comprising: a box section member (14); a panel or panels (33,34) forming a substantial part of at least one wall of the member, the or each panel being removable to provide access to the interior of the member the, or each, panel when secured in place serving as a stressable part of the member and contributing to the torsional rigidity of the member; and a pair of legs (12,13) on which are mounted the ground engaging wheels linked by the box section; the column being secured at its lower end to, for load bearing support by, the box section member; and a crane arm (23) supported by the column at or near the one end of the arm by the column and being adapted at or near the other end to the one end to receive a carrier whereby the device supports a load to be lifted. The use of a box section chassis enables heavy components of the device to be housed at the lowest position in the device so providing for a low centre of gravity while enabling the components to be readily accessed.

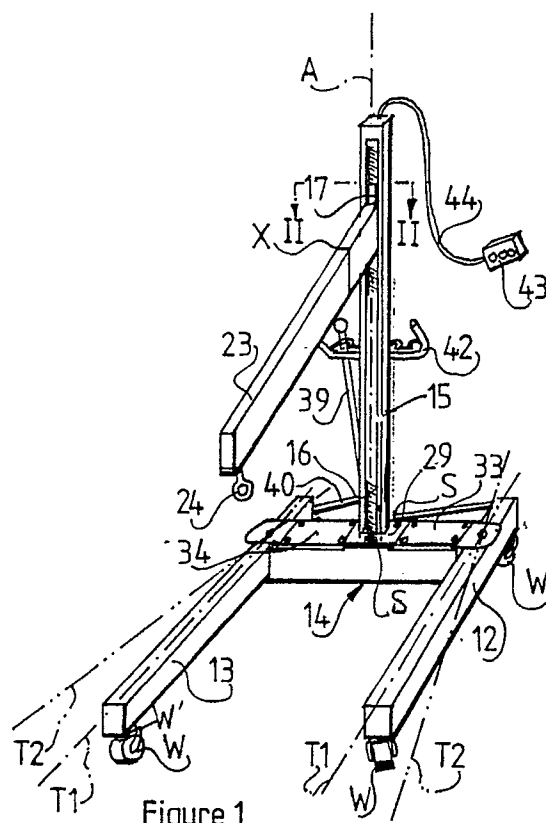


Figure 1

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EUROPEAN SEARCH REPORT

Application Number

EP 90 30 5696

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.5)
X,Y,A	WO-A-8 700 040 (BURGESS ET AL.) * page 4, line 18 - page 5, line 5; figures 1, 7 * - - -	1,3,2,4,5, 7,8,6	A 61 G 7/10
Y,A	EP-A-0 241 096 (GULDMANN) * column 3, line 48 - column 4, line 55; figures 1, 2 * - - -	2,4,5,7,8, 1,3	
A	DE-A-2 915 715 (DÖTSCH) * page 5, last paragraph - page 6, last paragraph; figures 1, 2 * - - -	1-3,6	
A	US-A-4 704 749 (AUBERT) * claim 1; figure 1 * - - -	1,3-6	
A	US-A-3 298 042 (DANIELSON) * column 2, paragraph 2; figures 1, 2 * - - - - -	1,3	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			A 61 G B 66 F
The present search report has been drawn up for all claims			
Place of search Berlin		Date of completion of search 08 August 91	Examiner ROLAND A T
<div>CATEGORY OF CITED DOCUMENTS</div> <div>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</div> <div>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</div>			