

(12)

**EUROPEAN PATENT APPLICATION**

(21) Application number: **85108341.0**

(51) Int. Cl.<sup>4</sup>: **A 47 C 3/30**  
**A 47 B 9/10**

(22) Date of filing: **05.07.85**

(30) Priority: **23.07.84 IT 2266284 U**

(43) Date of publication of application:  
**29.01.86 Bulletin 86/5**

(88) Date of deferred publication of search report: **26.11.86**

(64) Designated Contracting States:  
**AT BE CH DE FR GB LI LU NL SE**

(71) Applicant: **SOL. ID S.r.l.**  
**Via Industriale 46**  
**I-25065 Lumezzane S.S (Brescia)(IT)**

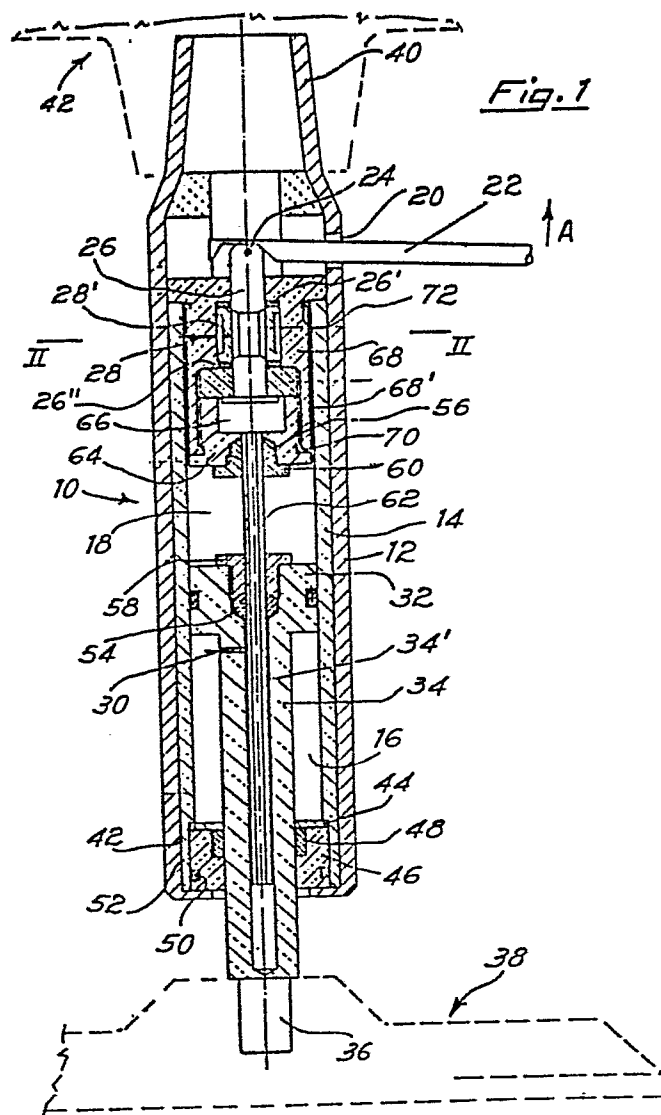
(72) Inventor: **Bugatti, Lucio**  
**Via Turati**  
**Lumezzane S.S. (Brescia)(IT)**

(72) Inventor: **Dall'Era, Flavio**  
**Via Rango 3**  
**Lumezzane S.S. (Brescia)(IT)**

(74) Representative: **Lecce, Giovanni**  
**Dott. Giovanni Lecce & C. S.r.l. Via G. Negri 10**  
**I-20123 Milano(IT)**

(54) **Improved mechanism for selecting the vertical positioning of load-bearing furniture components.**

(57) The improved mechanism for selecting the vertical positioning of load-bearing furniture components comprises a load-bearing column 10 placed between the work surface or seat 42 and the base 38. This load-bearing column has a double wall formed by two coaxial tubular bodies 14 and 12. A moving piston 32 placed in the cavity of this column divides the cavity into two chambers 16 and 18. A pressurised gas is distributed in the chambers. Valve components 68 are attached to the upper part of the said column and include a moving body 26, part of which has a reduced diameter and which is moved by a lever 22; these valve components allow the gas to be transferred from the upper chamber 18 to a small valve chamber 66. A pierced tube 62 connects up the said small valve chamber 66 with the lower chamber 16.





European Patent  
Office

# EUROPEAN SEARCH REPORT

0169418

Application number

EP 85 10 8341

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. 4)
X	FR-A-2 482 436 (S. CORTI) * Figures 1-3; claims 1,2 *	1-3	A 47 C 3/30 A 47 B 9/10
Y	---	4, 6-8	
Y	FR-A-2 124 599 (CORTE & COSSO) * Figures 1-3 *	4	
Y	DE-B-1 062 120 (MASCHINENFABRIK E. WIEMANN) * Figure 1; column 3, lines 4-9, 27-38 *	6-8	
A	FR-A-2 192 251 (SUSPA FEDERUNGSTECHNIK) * Figure 1; page 4, line 36 - page 5, line 40 *	5	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			A 47 C A 47 B F 15 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18-09-1986	Examiner SCHEIBLING C.D.A.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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 &amp; : member of the same patent family, corresponding document</p>			