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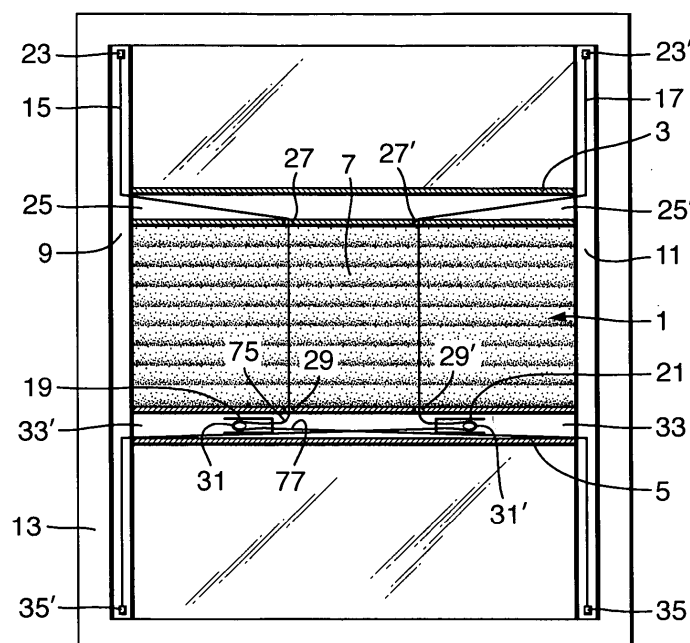
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(54) **Cord tensioner**

(57) A cord tensioner (19,21) for a guide cord (15,17) of a cord-guided blind (1) which has an upper rail (3), a lower rail (5) and a blind material (7) extending between the upper and lower rails (3,5) and in which the upper rail (3), the lower rail (5) or both is movable; the cord tensioner

(19,21) being attached to the upper or lower rail (3,5); and wherein the cord tensioner (19,21) includes a compression spring and the guide cord engages the spring so that a pulling force on the guide cord compresses the spring.

Fig.1.



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 6 427 750 B1 (BUTLER EDWARD MAURICE PIERCE) 6 August 2002 (2002-08-06) * column 4, line 32 - line 47 * * figure 3 * -----	1-4,6,8,11	INV. E06B9/322
X	US 4 825 929 A (HAINES ET AL) 2 May 1989 (1989-05-02) * the whole document * -----	1-4,6,8,11	
X	GB 2 301 767 A (* ANTIFERENCE LIMITED) 18 December 1996 (1996-12-18) * page 1, line 17 - page 2, line 13 * * figure 1 * -----	1-3,8	
X	US 5 752 558 A (LIN ET AL) 19 May 1998 (1998-05-19) * the whole document * -----	1-4,11-13	
X	US 5 195 569 A (PETERSON ET AL) 23 March 1993 (1993-03-23) * the whole document * -----	1,9,11	
A	US 4 733 711 A (SCHOEN ET AL) 29 March 1988 (1988-03-29) * the whole document * -----	1	TECHNICAL FIELDS SEARCHED (IPC)
			E06B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 11 September 2006	Examiner Geivaerts, Dirk
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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11-09-2006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6427750	B1	06-08-2002	US 2002056530 A1	16-05-2002
US 4825929	A	02-05-1989	NONE	
GB 2301767	A	18-12-1996	NONE	
US 5752558	A	19-05-1998	NONE	
US 5195569	A	23-03-1993	NONE	
US 4733711	A	29-03-1988	CA 1283353 C	23-04-1991
			NL 8502591 A	16-04-1987