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(54) **Self-raising window covering**

(57) The present invention relates to a self-raising window covering and a control mechanism for the window covering. In particular, the window covering (38) includes a drive unit (14), such as constant force spring, that is adapted to apply a substantially constant rotational force on the drive axle. A cord winding assembly (20,22) is coaxially mounted on the drive axle, and includes at least one winding drum (24,26) operatively connected to a second end of the raising cord and having a tapered portion, as well as a rotatable positioning member (32)

for moving the cord winding assembly laterally along the drive axle upon rotation of the positioning member. The cord winding assembly is adapted to translate the rotational force on the drive axle to a raising force on the raising cord, wherein the raising force is greater than a downward force exerted by the shade element and bottom rail throughout the range of opening and closing. A clutch member or locking member is also operatively connected with the axle and adapted to releasably lock the drive axle in a desired position.

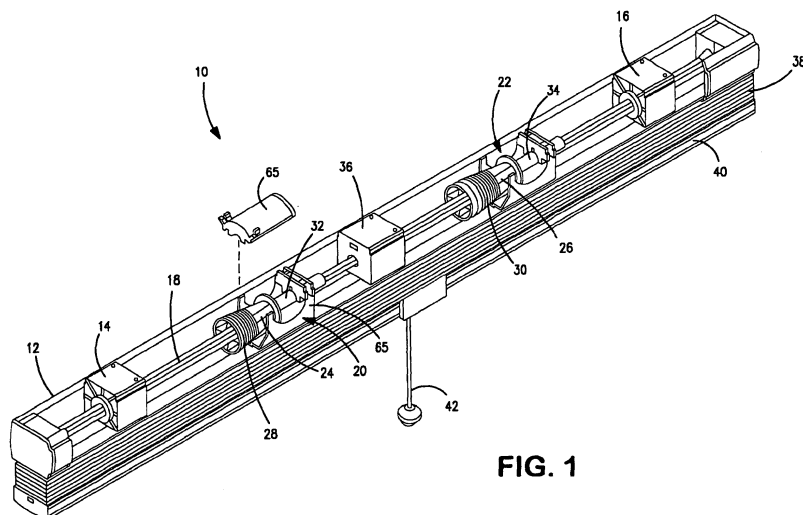


FIG. 1



EUROPEAN SEARCH REPORT

Application Number
EP 11 19 5181

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,D	US 6 056 036 A (TODD DAVID [US] ET AL) 2 May 2000 (2000-05-02)	1,2,6,8	INV. E06B9/322
Y	* abstract * * column 4, line 8 - column 5, line 52; figures 1-4,6 *	3-5,7,9, 10	
Y	US 2003/178155 A1 (FRACZEK RICHARD [US]) 25 September 2003 (2003-09-25) * abstract; figures 1,2 *	3-5	
Y	US 6 536 503 B1 (ANDERSON RICHARD [US] ET AL) 25 March 2003 (2003-03-25) * paragraph [0033]; figures 1,14-16 *	9,10	
Y	WO 2007/027650 A1 (HUNTER DOUGLAS [US]; FRASER DONALD E [US]) 8 March 2007 (2007-03-08)	7	
A	* abstract; figures 1,2; compound 30 *	1	
A	US 2007/144686 A1 (DREW TERRENCE M [US]) 28 June 2007 (2007-06-28) * paragraph [0003]; figure 5; compounds 86,108 *	5	TECHNICAL FIELDS SEARCHED (IPC)
			E06B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 7 March 2012	Examiner Koulo, G
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.**

EP 11 19 5181

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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07-03-2012

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6056036 A	02-05-2000	NONE	
US 2003178155 A1	25-09-2003	AU 2003228319 A1 CA 2480272 A1 EP 1488064 A2 US 2003178155 A1 WO 03083241 A2	13-10-2003 09-10-2003 22-12-2004 25-09-2003 09-10-2003
US 6536503 B1	25-03-2003	US 6536503 B1 US 2002174961 A1	25-03-2003 28-11-2002
WO 2007027650 A1	08-03-2007	AR 059385 A1 AU 2006285004 A1 BR PI0616601 A2 CA 2620583 A1 CN 101300399 A EP 1920129 A1 WO 2007027650 A1	09-04-2008 08-03-2007 28-06-2011 08-03-2007 05-11-2008 14-05-2008 08-03-2007
US 2007144686 A1	28-06-2007	NONE	