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(54) **Anti-unwind assembly**

(57) An anti-unwind assembly 10,30 arranged to prevent full unwinding and hence potential rewinding the other way round of a band 14 of a bath lift. The assembly 10,30 comprising an elongate member 18 rotatable with a winding member (16) and an engagement member in the form of a nut 20 or a profiled member 32 mounted on the elongate member 18. Full unwinding and poten-

tial rewinding of the band 14 is prevented by the engagement member 20,32 engaging with an abutment member 22,36 on which a microswitch 24 is provided. When the engagement member 20,32 engages the microswitch 24 the lift motor automatically switches off to prevent full unwinding and potential rewinding of the band 14.

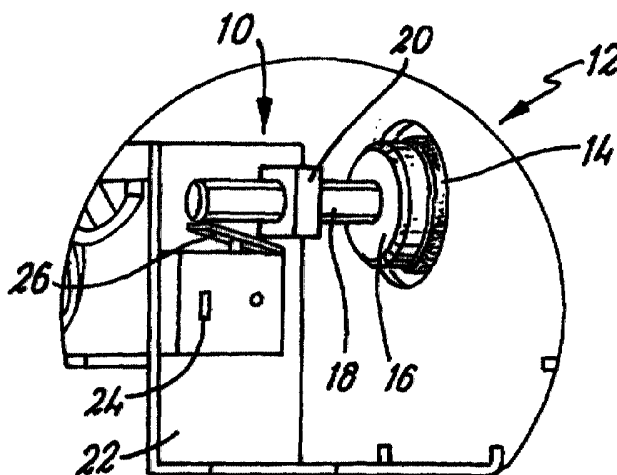


FIG. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 30 8486

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.7)
X	US 2 045 110 A (OTTO SPIESS) 23 June 1936 (1936-06-23) * page 2, left-hand column, line 35 - line 45; figures 10-14 *	1-4,7, 10-13	A61G7/10
X	GB 494 593 A (ARTHUR DENIS WALTER;HERBERT CHARLES WILTSHIRE) 28 October 1938 (1938-10-28) * page 4, right-hand column, line 83 - line 103; figure 7 *	1-4,7, 10-13	
X	WO 99 08643 A (STEADMAN WILLIAM D) 25 February 1999 (1999-02-25) * page 6, line 6 - line 25; figure 1 *	1-4,7, 10-13	
X	DE 39 20 838 A (SCHRAMMEL MORITZ) 3 January 1991 (1991-01-03) * column 4, line 16 - line 35; figure 2 *	1-4,7, 10-15	
X	GB 1 440 919 A (DELTA DESIGNS NEW SOUTHGATE LT) 30 June 1976 (1976-06-30) * page 2, right-hand column, line 75 - line 116; figure 3 *	1-4,7, 10-15	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			A61G B66D A47H
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		17 December 2001	Godot, T
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 00 30 8486

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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17-12-2001

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2045110	A	23-06-1936	NONE		
GB 494593	A	28-10-1938	NONE		
WO 9908643	A	25-02-1999	AU	734509 B2	14-06-2001
			AU	8741898 A	08-03-1999
			EP	1003457 A1	31-05-2000
			WO	9908643 A1	25-02-1999
			US	6199226 B1	13-03-2001
DE 3920838	A	03-01-1991	DE	3920838 A1	03-01-1991
			AT	94373 T	15-10-1993
			WO	9100080 A1	10-01-1991
			DE	59002766 D1	21-10-1993
			EP	0478584 A1	08-04-1992
GB 1440919	A	30-06-1976	NONE		