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(54) Powered winch handle for operating rotary winches on sailboats and a winch

(57) The invention relates to a powered winch handle (3) for operating rotary winches (2) on sailboats. The handle comprises a housing (10,11), a power supply or a connection to an external power supply (9), drive means including an electric motor (4) connected to said power supply, and a transmission assembly (17) including first and second transmission devices (5,6) with interacting means (5a,6a), said first transmission device being connected to said drive means and said second transmission device being connected to a drum of said winch. The interacting means of said first and second transmission means interact perpendicularly and horizontally of each other.

The invention also relates to a winch for sailboats.

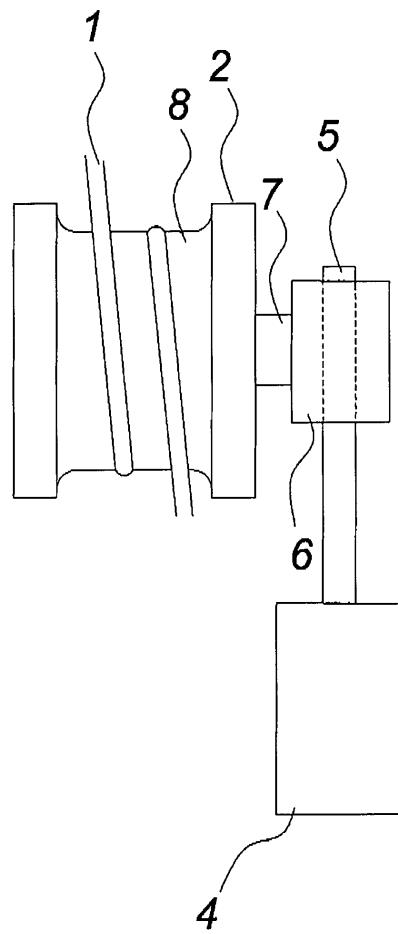


Fig. 1b



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
D,X	WO 94/03390 A (DIEBLER, HERMAN, G) 17 February 1994 (1994-02-17) * page 8, paragraph 2; figures 6,7 * * page 6, paragraph 1 * -----	1-7,9,11	INV. B66D1/12 B66D1/14 B66D1/74
Y	US 5 509 327 A (CROPLEY ET AL) 23 April 1996 (1996-04-23) * column 2, line 45 - line 52 * -----	8	
Y	US 4 555 093 A (PLUMMER ET AL) 26 November 1985 (1985-11-26) * abstract * -----	10	
P,X	FR 2 848 201 A (REDOUX JEAN LUC) 11 June 2004 (2004-06-11) * figure 3 * -----	1	
D,A	GB 2 317 844 A (WILLIAM * STROM) 8 April 1998 (1998-04-08) * the whole document * -----		
D,A	GB 2 362 366 A (WILLIAM * STROM) 21 November 2001 (2001-11-21) * the whole document * -----		TECHNICAL FIELDS SEARCHED (IPC)
			B66D B23B
The present search report has been drawn up for all claims			
5	Place of search	Date of completion of the search	Examiner
	Munich	10 April 2006	Ferrien, Y
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			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 05 07 5842

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. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

10-04-2006

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 9403390	A	17-02-1994	AU	4994493 A		03-03-1994
US 5509327	A	23-04-1996	NONE			
US 4555093	A	26-11-1985	NONE			
FR 2848201	A	11-06-2004	NONE			
GB 2317844	A	08-04-1998	AU AU CA DE DE EP WO US	718768 B2 4566697 A 2268148 A1 69711407 D1 69711407 T2 0929496 A1 9815488 A1 6250607 B1		20-04-2000 05-05-1998 16-04-1998 02-05-2002 07-11-2002 21-07-1999 16-04-1998 26-06-2001
GB 2362366	A	21-11-2001	AU EP WO US	5652201 A 1282580 A1 0187764 A1 2004108499 A1		26-11-2001 12-02-2003 22-11-2001 10-06-2004