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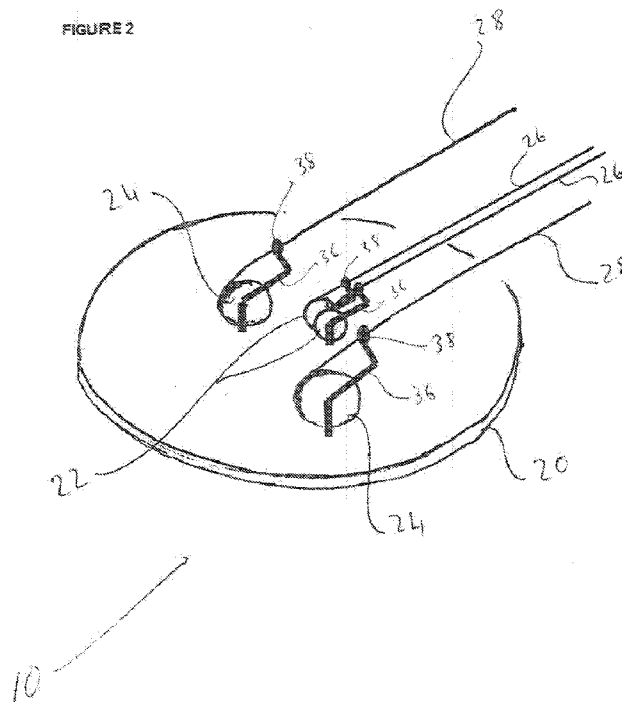
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[Continued on next page]

(54) Title: A STEERING ARRANGEMENT

FIGURE 2



(57) Abstract: According to a first aspect of the invention there is provided a steering arrangement for steering a kite driven watercraft (14) which includes a mounting member (base, 20) which is configured to be mounted on a watercraft (14), a first connecting member for connecting a leading edge region (16) of a canopy (12) of the kite to the mounting member, a second connecting member for connecting a trailing edge region (18) of the canopy (12) to the mounting member and a control device for controlling the displacement of the canopy relative to the watercraft via at least the second connecting member.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER IPC: B63B 35/34 (2006.01); B63B 35/38 (2006.01); F03D 9/00 (2006.01) According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) B63H Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPI, EPODOC, FullText Engl.		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 202006018499 U1 (SKYSAILS GMBH & CO. KG) 01 February 2007 (01.02.2007) entire document, esp. figures, claims	1, 3, 4, 7, 9, 10, 15, 16, 24-27
A	entire document	2, 5, 6, 8, 11-14, 17-22
X	WO 2008031446 A2 (SKYSAILS GMBH & CO. KG, WRAGE STEPHAN, BRABECK STEPHAN) 20 March 2008 (20.03.2008) entire document, esp. claims, description pages 8, 9, 11	1, 3, 4, 8, 9, 10, 11, 13-17, 20, 24-27
X	DE 202011102743 U1 (SKYSAILS GMBH) 15 November 2012 (15.11.2012) entire document, esp. claims	1, 9, 10, 15, 16
A	WO 2005100147 A1 (SKYSAILS GMBH & CO. KG, WRAGE, STEPHAN) 27 October 2005 (27.10.2005) entire document	1-22, 24-27
☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
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International application No.

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:

because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:

because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:

because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

I) Claims 1-22 and 24-27 relate to a steering arrangement

II) Claim 23 describes sleeve elements to facilitate starting the kite

III) Claims 28-32 speak of a watercraft that includes a generator for generating mechanical energy

IV) Claims 33-35 are about manufacturing hydrogen

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-22 and 24-27

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT / ZA 2014/000033

Patent document cited in search report			Patent family member(s)			Publication date
DE	U1	202006018499	DE	U1	202006018499	2007-02-01
WO	A2	2008031446	JP	A	2010503569	2010-02-04
			PT	E	2066554	2012-01-13
			KR	A	20090050059	2009-05-19
			EP	A2	2066554	2009-06-10
			US	A1	2010282153	2010-11-11
			AT	T	536305	2011-12-15
			CN	A	101528538	2009-09-09
			DK	T3	2066554	2012-01-16
			AU	A1	2006348120	2008-03-20
			WO	A2	2008031446	2008-03-20
DE	U1	202011102743	WO	A1	2013004728	2013-01-10
			EP	A1	2729357	2014-05-14
			CN	A	103958344	2014-07-30
			DE	U1	202011102743	2012-11-15
WO	A1	2005100147	EP	A1	1740452	2007-01-10
			AT	T	460337	2010-03-15
			DK	T3	1740452	2010-06-28
			EP	A1	2075190	2009-07-01
			US	A1	2007272141	2007-11-29
			NZ	A	577289	2010-02-26
			JP	A	2007532407	2007-11-15
			HK	A1	1101567	2010-11-12
			RU	C2	2359864	2009-06-27
			HK	A1	1137397	2013-04-05
			NZ	A	550719	2009-11-27
			NO	A	20091417	2007-01-17
			WO	A1	2005100147	2005-10-27
			DK	T3	2075190	2013-02-25
			DE	A1	102004018838	2005-11-03
			NO	A	20064623	2007-01-17
			KR	A	20070004867	2007-01-09
			AU	A1	2005232887	2005-10-27
			SG	A1	151337	2009-04-30
			US	A1	2009212574	2009-08-27
			CN	A	1968849	2007-05-23
			AU	A1	2009202050	2009-06-11