



Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)



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		Application No.	Applicant(s)
Office Action Summary		09/787,723	HILLESUND ET AL.
		Examiner	Art Unit
		Jesús D. Sotelo	3617
A SH	ORTENED STATUTORY PERIOD FOR REF	PLY IS SET TO EXPIRE 3 M	
Exter after If the If NO Failur Any n	MAILING DATE OF THIS COMMUNICATION nations of time may be available under the provisions of 37 CFR. SIX (6) MONTHS from the mailing date of this communication, period for reply specified above is less than thirty (30) days, a report of the complex specified above, the maximum statutory perior to reply within the sol or exchanded period for reply will, by state to reply within the sol or exchanded period for reply will, by state apply received by the Office later than three months after the mail of patent term adjustment. See 37 CFR 1.704(b).	J. 1.135(a). In no event, however, may a re sply within the statutory minimum of thirty of will apply and will expire SIX (6) MONT	aply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication.
1)[Responsive to communication(s) filed on		oc 21 2
2a)	This action is FINAL. 2b)⊠ 1	This action is non-final.	
3)□ Dispositi	Since this application is in condition for allow closed in accordance with the practice unde on of Claims	wance except for formal matter <i>Ex parte Quayle</i> , 1935 C.D	lers, prosecution as to the ments is 0.11, 453 O.G. 213.
4) 🖾	Claim(s) 25-48 is/are pending in the applicat	tion.	
•	4a) Of the above claim(s) is/are withdr	awn from consideration.	
	Claim(s) is/are allowed.		
6)🔯	Claim(s) <u>25-48</u> Is/are rejected.		
7)	Clalm(s) is/are objected to.		
8) 🔲 🗆	Claim(s) are subject to restriction and/	or election requirement.	
pplication	on Papers	•	
	he specification is objected to by the Examin		
10)⊠ T	he drawing(s) filed on <u>02 July 2001</u> is/are; a)	accepted or b) objected to	o by the Examiner.
	Applicant may not request that any objection to the	he drawing(s) be held in abeyan	nce. See 37 CFR 1,85(a).
11) 🗌 T	he proposed drawing correction filed on	_ is: a)☐ approved b)☐ dis	sapproved by the Examiner.
	If approved, corrected drawings are required in re	eply to this Office action.	
	he oath or declaration is objected to by the E	xaminer.	
riority ur	nder 35 U.S.C. §§ 119 and 120	41.50	
13) 🔯 🔏	Acknowledgment is made of a claim for foreig	in priority under 35 U.S.C. §	119(a)-(d) or (f).
a)[∑	All b)☐ Some * c)☐ None of:		
1	I. Certified copies of the priority documen	ts have been received.	
	2. Certified copies of the priority documen		plication No.
3	B. Copies of the certified copies of the price application from the International Buse the attached detailed Office action for a list	ority documents have been re	eceived in this National Stage
14) 🗌 Ac	knowledgment Is made of a claim for domest	ic priority under 35 U.S.C. &	119(e) (to a provisional application)
a)	☐ The translation of the foreign language procknowledgment is made of a claim for domest	ovisional application has bee	n received
tachment(s	5)		
Notice (of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) titon Disclosure Statement(s) (PTO-1449) Paper No(s) _	4) Interview Sur 5) Notice of Info	mmary (PTO-413) Paper No(s) ormal Patent Application (PTO-152)

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DETAILED ACTION

1. Claims 25-48 are in the application. Claims 1-24 have been canceled.

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claims 31-48 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 31 and claim 32, the conditional phrases "may" make this claims indefinite for the subject matter is not positively recited. In claim 31, last line, there is no proper antecedent for "the turn".

In claim 44, the reference to "program units" is ambiguous and in line 2, the conditional phrase makes this claim indefinite.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 25-48 are rejected under 35 U.S.C. 103(a) as being unpatentable over Elholm.

Elholm discloses the method and apparatus as recited in the claims except that in the claims a plurality of positioning devices along the streamers is recited. The use of a plurality of positioning devices is well known in the art as evidenced from the disclosure in figure 1 of the present application and acknowledged as "Prior Art".

Conclusion

- 6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Convoy and Dolengowski are cited as showing related art.
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jesús D. Sotelo whose telephone number is 703-308-2563. The examiner can normally be reached on Mon. Fri. 6:00 AM -2:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Samuel J. Morano can be reached on 703-308-0230. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-3597 for regular communications and 703-305-3597 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1113.

Primary Examiner

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sotelo;jds February 21, 2003

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