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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
00/221 002	06/14/1000	MICUAEL TAGLED	2055/101	1117

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12/18/2001

PATTON BOGGS PO BOX 270930 LOUISVILLE, CO 80027

EXAMINER	
DU THUAN N	

ART UNIT PAPER NUMBER
2182

DATE MAILED: 12/18/2001

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

PTO-90C (Rev. 07-01)





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1-	119
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Part of Paper No. 7

		Applicat	ion No.	Applicant(s)			
		09/331,0	002	TASLER, MICHAEL			
	Office Action Summary	Examine	r	Art Unit	-		
		Thuan N.	Du	2182			
	- The MAILING DATE of this commun	ication appears on th	e cover sheet with the o	correspondence address			
Period fo		OB BEDLVIC OFT	TO EXPIRE 2 MONTH	(C) EDOM			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status	Beangaive to communication/s) fi	lad on 14 Juna 1000			,		
1)[\bigsilon]	Responsive to communication(s) fi						
2a)□		2b)⊠ This action is					
3)	Since this application is in conditio closed in accordance with the practice.						
Dispositi	on of Claims						
4)⊠	Claim(s) 1-16 is/are pending in the	application.					
	4a) Of the above claim(s) is/a	are withdrawn from co	onsideration.				
5)	Claim(s) is/are allowed.						
6)⊠	Claim(s) <u>1-16</u> is/are rejected.						
7)	Claim(s) is/are objected to.						
8)□	Claim(s) are subject to restrict	ction and/or election	requirement.				
Applicati	on Papers						
9) 🔲 -	The specification is objected to by th	e Examiner.					
10) 🔲 -	The drawing(s) filed on is/are	a) accepted or b)	objected to by the Exa	iminer.			
	Applicant may not request that any ob						
11) 🔲 -	The proposed drawing correction file	ed on is: a)	approved b) disappr	oved by the Examiner.			
	If approved, corrected drawings are re	• •	Office action.				
,	The oath or declaration is objected to	o by the Examiner.					
Priority u	inder 35 U.S.C. §§ 119 and 120						
,	Acknowledgment is made of a claim	• • •	inder 35 U.S.C. § 119(a	a)-(d) or (f).			
a)[All b) ☐ Some * c) ☐ None of:						
	1. ☐ Certified copies of the priority	documents have be	en received.				
2. Certified copies of the priority documents have been received in Application No							
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
	a) The translation of the foreign language provisional application has been received.						
a) ☐ The translation of the foreign language provisional application has been received. 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
Attachment(s)							
2) Notic	e of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (mation Disclosure Statement(s) (PTO-1449)		· -	ry (PTO-413) Paper No(s) Patent Application (PTO-152)			



U.S. Patent and Trademark Office PTO-326 (Rev. 04-01)

Office Action Summary

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DETAILED ACTION

1. Claims 1-16 are presented for examination.

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. Claim 13 is 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.
- 4. Claim 13 recites the limitation "the hard disk" in line 4. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 103

- 5. 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:
 - (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.
- 6. Claims 1-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's admission of prior art [AAPA] and McNeill, Jr. et al. (U.S. Patent No. 5,499,378).
- 7. Regarding claims 1, 5, 6, 12 and 13, AAPA teaches an interface for communication between a host device and a transmit/receive device comprising:



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a processor [Application's specification, p. 3, line 8];

a memory [Application's specification, p. 3, line 9];

a first connecting device for interfacing the host device with the interface device via a multi-purpose interface of the host device [Application's specification, p. 3, lines 1-3];

a second connecting device for interfacing the interface device with the data transmit/receive device [Application's specification, p. 3, lines 9-12].

AAPA teaches the host device communicates with the interface device by means of an interface-specific driver installed in the host device. AAPA does not teaches the interface device receiving an inquiry from the host device as to type of device is attached and responding to the host that it is an I/O device customary in a host device, whereupon the host device communicates with the interface device by means of the driver for the I/O device customary in a host device.

McNeill, Jr. et al. teaches an interface device responds to the host inquiry command as to the type of device attached to the multi-purpose interface (SCSI interface) of the host device [col. 2, lines 39-44; col. 5, lines 14-15 and 23-31], whereupon the host device communicates with the interface device by means of the driver for the I/O device customary in a host device [col. 3, lines 23-30; col. 5, lines 59-64].

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of AAPA and McNeill, Jr. et al. because it would enhance the system by allowing the host device communicates with a transmit/receive device, through an interface device, by means of the standard driver in the host device instead of installing a device-specific driver into the host device.



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- 8. Regarding claims 2, 7-11, McNeill, Jr. et al. teaches the device drivers for I/O drivers customary in a host device comprise a hard disk driver, and the signal indicates to the host device that the host device is communicating with a hard disk [col. 5, lines 33-39].
- 9. Regarding claim 3, McNeill, Jr. et al. teaches the system including a buffer for buffering data to be transferred between two systems [col. 5, lines 52-54].
- 10. Regarding claims 4 and 14, McNeill, Jr. et al. teaches the communication is between a host and a SCSI device (SCSI target computer) [abstract]. Therefore, the host and the device must have SCSI interfaces.
- 11. Regarding claims 15 and 16, since they recite method of operating of the apparatus defined in the apparatus claims, they are rejected accordingly based on the rejection of the apparatus claims.

Conclusion

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thuan N. Du whose telephone number is (703) 308-6292 or via e-mail, **thuan.du@uspto.gov**. The examiner can normally be reached on Monday-Friday: 9:00 AM - 5:30 PM, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee can be reached on (703) 305-9717.

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) 305-3900.



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