PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Aaron M. Stewart	07/29/2010
Harris C.N. Ganey	08/09/2010
Yang Jinping	08/17/2010
Jay W. Johnson	07/30/2010
Julie A. Morris	07/29/2010
James S. Rutledge	07/29/2010
Bradley P. Strazisar	07/29/2010

RECEIVING PARTY DATA

Name:	Lenovo (Singapore) Pte. Ltd.
Street Address:	151, Lorong Chuan
Internal Address:	#02-01, New Tech Park
City:	Singapore
State/Country:	SINGAPORE
Postal Code:	556741

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12859428

CORRESPONDENCE DATA

Fax Number: (412)741-9292

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 4127418400

Email: uspto@ferencelaw.com

Correspondent Name: Ference & Associates LLC

Address Line 1: 409 Broad Street

Address Line 4: Pittsburgh, PENNSYLVANIA 15143

ATTORNEY DOCKET NUMBER: 710.141

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REEL: 024922 FRAME: 0024

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NAME OF SUBMITTER:	Stanley D. Ference III	
Total Attachments: 9		
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PATENT REEL: 024922 FRAME: 0025

Assignment

Whereas, I/WE

INVENTOR	(7) Aaron M. Stewart	of Raleigh,
AND CITY	County of Wake	and State of North Carolina
INVENTOR	(2) Harriss C. N. Ganey	of Raleigh,
AND CITY	County of Wake	and State of North Carolina
INVENTOR AND CITY	(3) Yang Jinping County of Beijing	of Beijing, and Country of China
INVENTOR	(4) Jay W. Johnson	of Raleigh,
AND CITY	County of Wake	and State of North Carolina
INVENTOR	(1) Julie A. Morris	of Raleigh,
AND CITY	County of Wake	and State of North Carolina
INVENTOR	(5) James S. Rutledge	of Durham
AND CITY	County of Durham	and State of North Carolina
INVENTOR AND CITY	(6) Bradley P. Strazisar County of Wake	of Cary, and State of North Carolina

have invented certain improvements in

TITLE OPTICAL USER INPUT DEVICES

and have executed, respectively, a United States patent application therefor on even date herewith.

Whereas, Lenovo (Singapore) Pte. Ltd., a corporation of Singapore, having a place of business at 151, Lorong Chuan, #02-01, New Tech Park, Singapore 556741, (hereinafter called Lenovo), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I/we, the above named, hereby sell, assign, and transfer to Lenovo, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said applications to Lenovo, its

(710.141)

successors and assigns; and I/we hereby agree that Lenovo may apply for foreign Letters Patent on said invention and I/we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by Lenovo.

Signed and sealed

CITY AND (1) at Morrisville, NC on July 29, 2010

(Aaron M. Stewart) INVENTOR FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND (2) at DATE on , 2010

(Harris C. N. Ganey) INVENTOR FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND (3) at DATE on , 2010

(Yang Jinping) SIGNATURE
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND (4) at Morrisville, NC DATE on July 30, 2010

(Jay W. Johnson) INVENTOR FIRST NAME

(JOINT FORM)

(Lenovo Docket) RPS920100039-US-NP (710.141)

CITY AND DATE

(5) at MORRISHILE, NC on JULY 29 ,2010

FIRST NAME MIDDLE INITIAL

CITY AND

DATE

(6) at

on

, 2010

-Rutledge) INVENTOR

FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND DATE

(7) at Morrisville, NC on July 29, 2010

FIRST NAME MIDDLE INITIAL LAST NAME

Assignment

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AND CITY	County of Wake	and State of North Carolina
INVENTOR	(3) Yang Jinping	of Beijing,
AND CITY	County of Beijing	and Country of China
INVENTOR	(4) Jay W. Johnson	of Raleigh,
AND CITY	County of Wake	and State of North Carolina
INVENTOR	(1) Julie A. Morris	of Raleigh,
AND CITY	County of Wake	and State of North Carolina
INVENTOR	(5) James S. Rutledge	of Durham
AND CITY	County of Durham	and State of North Carolina
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Page 1 of 3 PATENT
REEL: 024922 FRAME: 0029

(JOINT FORM)

(Lenovo Docket) RPS920100039-US-NP

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Signed and scaled

CITY AND	(1) at	, 2010	(Aaron First name	M. STOCKE INTERIAL	Stewart)	SIGNATURE INVENTOR
CITY AND DATE	(2) at Vironi on AUG 9	, a Beach, VA , 2010	// (Harriss FIRST NAME		Ganey) LAST NAME	SIGNATURE INVENTOR
CITY AND DATE	(3) at on	, 2010	(Yang First bans	MINNE INITIAL	Jinping) LAST KAME	SIGNATURE
CITY AND DATE	(4) at on	, 2010	(Jay Pirst nase	W. MIDDLE INITIAL	Johnson) Last name	SIGWATURE INVENTOR

PATENT REEL: 024922 FRAME: 0030

(JOINT FORM)			(Lenovo Docket)	RPS9201000	39-US-NP (710.141)
(5) at on	, 2010				SIGNATURE
		(Julie	A. MIDDIF INITIAL	Morris)	INVENTOR

CITY AND DATE	(6) at on	, 2010			SIGNATURE
DAIL	OII	, 2010	(James	S.	Rutledge) INVENTOR
CITY AND	(7) at	2010	FIRST NAME	MIDDLE INITIAL	LAST NAME
DATE	on	, 2010	(D. 11	D.	SIGNATURE
			(Bradley	Р.	Strazisar) INVENTOR
			FIRST NAME	MIDDLE INITIAL	LAST NAME

CITY AND DATE

Page 3 of 3 PATENT

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Assignment

Whereas, FWE

	(7) Agron M. Stewart County of Wake	of Rateigh, and State of North Carolina
	(2) Harriss C. N. Ganey County of Wake	of Raleigh. and State of North Carolina
	(3) Yang Jimping County of Beijing	of Beijing. and Country of China
199819	(4) Jay W. Johnson County of Wake	of Rateigh, and State of North Carolina
	(1) Julie A. Morris County of Wake	of Raieigh. and State of North Carolina
	(5) James S. Ratiodge County of Durham	of Durham and State of North Carolina
1000000	(6) Bradicy P Strazisae County of Wake	of Cary, and State of North Carolina

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Page 1 of 3

PATENT REEL: 024922 FRAME: 0032 successors and assigns, and I we hereby agree that Lenevo may apply for foreign Letters Patent on said invention and I we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by Lenevo.

Signed and ecolod						
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	(2) ss cs:	. 2010	(Harris	C.N. RICCLE ISTYLAT	Gancy) 1237 saas	
	(3) at (3)	. 2010	Yann (Yang) ??***	J.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Jingsog) 1407 Wes	81/30/7/78 1878/87/8
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	Morris)	A BIIII BIIIA	(Julie				
				2010	(6) (8 08)		
) 18983558	Kulkdge	S 2000-2007 (A)	(James FIRST MARK				
				,2010	(7) at		
) 180118708	None sur	7	Bradley				

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