502170086 12/19/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ming Fung Ho	12/18/2012

RECEIVING PARTY DATA

Name:	EMC Corporation
Street Address:	176 South Street
City:	Hopkinton
State/Country:	MASSACHUSETTS
Postal Code:	01748

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13720630

CORRESPONDENCE DATA

Fax Number: 4089732595

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

Phone: 408-973-2585

Email: enguyen@ip-patent.com

Correspondent Name: VAN PELT, YI & JAMES LLP AND EMC CORPORA

Address Line 1: 10050 N. FOOTHILL BLVD.

Address Line 2: SUITE 200

Address Line 4: CUPERTINO, CALIFORNIA 95014

ATTORNEY DOCKET NUMBER:	EMCCP307
NAME OF SUBMITTER:	William J. James

Total Attachments: 3

source=EMCCP307_Executed_Assignment#page1.tif source=EMCCP307_Executed_Assignment#page2.tif source=EMCCP307_Executed_Assignment#page3.tif

> PATENT REEL: 029504 FRAME: 0556

:H \$40.00 137206;

PATENT/Sole Assignment Attorney Docket No.: EMCCP307 EMC Docket No.: EMC-12-811

ASSIGNMENT

WHEREAS, I, Ming Fung Ho, have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled MINIMIZING EYE STRAIN AND INCREASING TARGETING SPEED IN MANUAL INDEXING OPERATIONS, the specification of which:

[X]	is being executed on even date States Patent Office;	herewith and is about to be filed in the Ur	nited
	was filed on	as U.S. Application No.	<u>.</u> 9
[]	was patented under U.S. Patent Noon		,

WHEREAS, EMC Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts and having a usual place of business at 176 South Street, Hopkinton, Massachusetts 01748 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged. I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made; I hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein:

AND, I hereby further agree for me and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of

PATENT REEL: 029504 FRAME: 0557

PATENT/Sole Assignment Attorney Docket No.: EMCCP307 EMC Docket No.: EMC-12-811

testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal as set forth below:

PATENT/Sole Assignment Attorney Docket No.: EMCCP307 EMC Docket No.: EMC-12-811

Date: Dec 18, 2012	
	Inventor's Signature
Print full name of sole inventor:	Ming Fung Ho
Residence:	Fremont, CA
Citizenship:	Canada
Mailing Address:	176 South Street
	Hopkinton, MA 01748
	.A
STATE OF	A Clara
COUNTY OF Sant	ta Ulara
who proved to me on the basis of satisf subscribed to the within instrument and in his/her/their authorized capacity(ies) the person(s), or the entity upon behalf	
	Notary Public
	Print Name: <u>Dearra</u> L. Santos
	My Commission expires 8 / 21 / 2016
	DEANNA L. SANTOS Commission # 1986108 Notary Public - California Santa Clara County My Comm. Expires Aug 21, 2016

-3:

RECORDED: 12/19/2012