
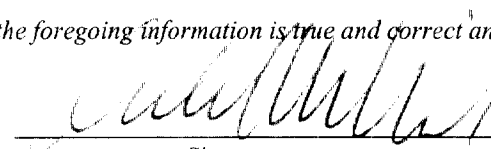


Form PTO-1595 (Rev. 5/39) OMB No. 0651-0011 (exp. 4/94)	12-06-2002  102303989	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office Docket No.: EMS-03705
10/306659 11/27/02		
1. Name of conveying party(ies):  Natan VISHLITZKY, Hana MORESHET, Haim KOPYLOVITZ, Bruce A. POCOCK and Douglas E. LECRONE Additional name(s) of conveying party(ies) attached?  Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  Nature of conveyance: <div style="text-align: center; margin-left: 150px;">             mrd              11/27/02           </div> (X) Assignment                      ( ) Merger ( ) Security Agreement            ( ) Change of Name ( ) Other:  Execution Date: November 24, 2002 and November 26, 2002	2. Name and address of receiving party(ies) Name: EMC Corporation Internal Address: _____  Street Address: 176 South Street <div style="text-align: right;">Hopkinton, MA 01748</div>  Additional name(s) & address(es) attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
3. Application number(s) or patent number(s): <span style="float: right;">10306659</span>  If this document is being filed together with a new application, the execution date of the applications is: November 24, 2002 and November 26, 2002,		
A. Patent Application No.(s)	B. Patent No.(s)	
Additional numbers attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
4. Name and address of party to whom correspondence concerning document should be mailed:  Name: <u>Patent Group</u> Internal Address: <u>Choate, Hall &amp; Stewart</u> Street Address: <u>Exchange Place, 53 State Street</u> City: <u>Boston</u> State: <u>MA</u> ZIP: <u>02109-2804</u>	5. Total number of applications and patents involved: 1	
	6. Total fee (37 CFR 3.41).....\$40.00 (X) Enclosed _____ Authorized to be charged to deposit account	
	7. Deposit account number:  (Attached duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE		
8. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>  <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <u>Donald W. Muirhead; 33,978</u>            Name of Person Signing         </div> <div style="width: 40%; text-align: center;">             Signature         </div> <div style="width: 30%; text-align: right;"> <u>November 27, 2002</u>            Date         </div> </div> <div style="text-align: center; margin-top: 10px;">         Total number of pages including cover sheet, attachments, and document: 5       </div>		
Mail documents to be recorded with required covered sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231		

12/05/2002 6TOM11 00000079 10306659

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**PATENT**  
**REEL: 013541 FRAME: 0781**

ASSIGNMENT

WHEREAS, WE, <sup>HA</sup> ~~NATAN VISHLITZKY~~ <sup>Newton</sup> of Brookline, Massachusetts, ~~HANA MORESHET~~ of Framingham, Massachusetts, ~~HAIM KOPYLOVITZ~~ of ~~Brookline~~ Massachusetts, ~~BRUCE A. POCK~~ of Titusville, Florida, and ~~DOUGLAS E. LECRONE~~ of Hopkinton, Massachusetts have developed certain inventions described in a patent application titled **RESTORING VIRTUAL DEVICES**, executed on even date herewith, and have full right to convey the entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

WHEREAS, EMC Corporation ("Assignee"), having a principal place of business at 176 South Street, Hopkinton, Massachusetts 01748, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said Assignee, its successors and assigns, the entire right, title and interest throughout the world in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in the U.S. or any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any U.S. or international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

The undersigned further agree, without any further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

IN TESTIMONY WHEREOF, the undersigned have hereunto set their hands and seals on the date after their signatures.

NATAN VISHLITZKY

Commonwealth of Massachusetts

11/26/02  
(date)

County of Middlesex

On this 20th day of November, 2002 before me personally appeared NATAN VISHLITZKY to me personally known, and known to me to be the person who signed the foregoing assignment and acknowledged the signing of same as his free act and deed.

Notary Public

My Commission Expires: 2/24/06

HANA MORESHET

Commonwealth of Massachusetts

11/26/02  
(date)

County of Middlesex

On this 20th day of November, 2002 before me personally appeared HANA MORESHET to me personally known, and known to me to be the person who signed the foregoing assignment and acknowledged the signing of same as his free act and deed.

Notary Public

My Commission Expires: 2/24/06

**ASSIGNMENT  
(continued)***Haim Kopylovitz*  
**HAIM KOPYLOVITZ**

Commonwealth of Massachusetts

11/26/2002  
(date)County of Middlesex

On this 26 day of November, 2002 before me personally appeared **HAIM KOPYLOVITZ** to me personally known, and known to me to be the person who signed the foregoing assignment and acknowledged the signing of same as his free act and deed.

*Donald W. Winick*  
Notary Public Donald W. WinickMy Commission Expires: 2/24/06**BRUCE A. POCOCK**

State of \_\_\_\_\_

(date)

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 2002 before me personally appeared **BRUCE A. POCOCK** to me personally known, and known to me to be the person who signed the foregoing assignment and acknowledged the signing of same as his free act and deed.

Notary Public \_\_\_\_\_

My Commission Expires: \_\_\_\_\_

*Douglas E. LeCrone*  
**DOUGLAS E. LECRONE**

Commonwealth of Massachusetts

11/26/02  
(date)County of Middlesex

On this 26 day of November, 2002 before me personally appeared **DOUGLAS E. LECRONE** to me personally known, and known to me to be the person who signed the foregoing assignment and acknowledged the signing of same as his free act and deed.

*Donald W. Winick*  
Notary Public Donald W. WinickMy Commission Expires: 2/24/06

**ASSIGNMENT**

WHEREAS, WE, **NATAN VISHLITZKY**, of Brookline, Massachusetts, **HANA MORESHET**, of Framingham, Massachusetts, **HAIM KOPYLOVITZ**, of Brookline, Massachusetts, **BRUCE A. POCOCK**, of Titusville, Florida, and **DOUGLAS E. LECRONE**, of Hopkinton, Massachusetts have developed certain inventions described in a patent application titled **RESTORING VIRTUAL DEVICES**, executed on even date herewith, and have full right to convey the entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

WHEREAS, EMC Corporation ("Assignee"), having a principal place of business at 176 South Street, Hopkinton, Massachusetts 01748, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said Assignee, its successors and assigns, the entire right, title and interest throughout the world in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in the U.S. or any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any U.S. or international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

The undersigned further agree, without any further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

IN TESTIMONY WHEREOF, the undersigned have hereunto set their hands and seals on the date after their signatures.

\_\_\_\_\_  
**NATAN VISHLITZKY**

Commonwealth of Massachusetts

\_\_\_\_\_  
 (date)

County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2002 before me personally appeared **NATAN VISHLITZKY** to me personally known, and known to me to be the person who signed the foregoing assignment and acknowledged the signing of same as his free act and deed.

\_\_\_\_\_  
 Notary Public

My Commission Expires: \_\_\_\_\_

\_\_\_\_\_  
**HANA MORESHET**

Commonwealth of Massachusetts

\_\_\_\_\_  
 (date)

County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2002 before me personally appeared **HANA MORESHET** to me personally known, and known to me to be the person who signed the foregoing assignment and acknowledged the signing of same as his free act and deed.

\_\_\_\_\_  
 Notary Public

My Commission Expires: \_\_\_\_\_

**ASSIGNMENT**  
**(continued)**HAIM KOPYLOVITZ

(date)

Commonwealth of Massachusetts

County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2002 before me personally appeared **HAIM KOPYLOVITZ** to me personally known, and known to me to be the person who signed the foregoing assignment and acknowledged the signing of same as his free act and deed.

Notary Public

My Commission Expires: \_\_\_\_\_

Bruce A. Pocock**BRUCE A. POCOCK**Nov. 24, 2002

(date)

State of FloridaCounty of Brevard

On this 24th day of November, 2002 before me personally appeared **BRUCE A. POCOCK** to me personally known, and known to me to be the person who signed the foregoing assignment and acknowledged the signing of same as his free act and deed.

Kristina T. Isbell

Notary Public



Kristina T. Isbell

My Commission CC978912

Expires November 01 2004

My Commission Expires: 11/01/04DOUGLAS E. LECRONE

(date)

Commonwealth of Massachusetts

County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2002 before me personally appeared **DOUGLAS E. LECRONE** to me personally known, and known to me to be the person who signed the foregoing assignment and acknowledged the signing of same as his free act and deed.

Notary Public

My Commission Expires: \_\_\_\_\_