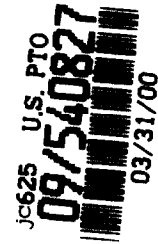


04-26-2000

Substitute Form PTO-1595  
Attorney Docket No.: 07072-102001  
Client's Ref. No.: EMC-00-031

SHEET

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Assistant Commissioner for Patents: Please record the attached original document(s) or copy(ies).

1. Name of conveying party(ies):

Avinash Kallat and Robert Thibault

Additional name(s) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

EMC CORPORATION  
171 South Street  
Hopkinton, MA 01748-9103

3. Nature of conveyance:

- ☒ Assignment  
☐ Merger  
☐ Security Agreement  
☐ Change of Name  
☐ Other:

Execution Date: Avinash Kallat 3/30/00 and Robert Thibault 3/30/00

Additional names/addresses attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

3.31.00

If this document is being filed with a new application, the execution date of the application is: 3/30/00

A. Patent Application No(s):

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name/address of party to whom correspondence concerning document should be mailed:

RICHARD M. SHARKANSKY  
Fish & Richardson P.C.  
225 Franklin Street  
Boston, MA 02110-2804

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR §3.41): \$40

- ☒ Enclosed  
☐ Authorized to charge Deposit Account.

8. Deposit Account No.: 06-1050

Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.

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Richard M. Sharkansky

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Name of Person Signing

Signature

Date

3/31/00

Total number of pages including coversheet, attachments and document: 4

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I hereby certify under 37 CFR §1.10 that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee with sufficient postage on the date indicated below and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

March 31, 2000  
Date of Deposit

Signature

Typed Name of Person Signing Certificate

PATENT  
REEL: 010718 FRAME: 0193

ASSIGNMENT

For valuable consideration, we, AVINASH KALLAT of Marlborough, MA, ROBERT THIBAUT of Westboro, MA, hereby assigns to EMC CORPORATION, a Massachusetts corporation having a place of business at: 171 South Street, Hopkinton, MA 01748-9103 and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled DIRECT MEMORY ACCESS (DMA) TRANSMITTER, filed \_\_\_\_\_, and assigned U.S. Serial Number \_\_\_\_\_, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at HARTFORD, CT  
this 30<sup>th</sup> day of MARCH of, 2008  
[Signature] L.S.  
AVINASH KALLAT

State of Massachusetts  
: SS.  
County of Litchfield :

Before me this 30<sup>th</sup> day of March, 2008, personally  
appeared AVINASH KALLAT known to me to be the person whose name is subscribed to the  
foregoing Assignment and acknowledged that he executed the same as his free act and deed for  
the purposes therein contained.

[Signature: Marsha R Ballantyne]  
Notary Public

My Commission Expires:

[Notary's Seal Here]

MARSHA R BALLANTYNE  
Notary Public  
Commission Expires October 2, 2008

IN WITNESS WHEREOF, I hereto set my hand and seal at Hopkinton, MA.

this 30<sup>th</sup> day of March of, 2000

Robert Thibault L.S.  
ROBERT THIBAUT

<sup>in</sup> State of Massachusetts  
: ss.  
County of Middlesex :

Before me this 30<sup>th</sup> day of March, 2000, personally appeared ROBERT THIBAUT known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Marsha R. Ballantyne  
Notary Public

My Commission Expires:

[Notary's Seal Here]

MARSHA R. BALLANTYNE  
Notary Public  
My Commission Expires October 2, 2003

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