08-07-1998



To the Assistant Commissio documents or copy thereof.

100788217

1. Name of conveying party(ies):

Ronald Perry - July 29, 1998 Norman P. Jouppi - June 19, 1998 Joel J. McCormack - June 18, 1998 Keith Istvan Farkas - June 19, 1998

Additional name(s) of conveying party(ies) attached? []Yes [X]No 3. Nature of Conveyance:

Conveyance:

[X]Assignment [] Merger

[]Security Agreement []Change of Name

[] Other

Execution Date: See # 1 above

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

HEET

Name: Digital Equipment Corporation

Internal Address: Patent Law Group

MSO2-3/G3

d the attached original

Street Address: 111 Powdermill Road

City: Maynard, State: MA Zip: 01754

Additional name(s) and address(es)

attached? ||Yes [X]No

B. Patent No.(s)

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date

of the application is: See # 1 Above.

A. Patent Application No.(s)

Additional numbers attached? []Yes [X]No

5. Name and address of party to whom correspondence concerning document

should be mailed:

09/126567

Name: Digital Equipment Corporation

Internal Address: Patent Law Group

MSO2-3/G3

Street Address: 111 Powdermill Road

City: Maynard, State: MA Zip: 01754-1499

6. Total number of applications and patents involved:

7. Total fee (37CFR 3.41): \$40.00

[] Enclosed

[X] Authorized to be charged to deposit account

Deposit account number: 04-1079/

08/05/1998 DNGUYEN 00000152 041079 09126567

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> 9. Statement and signature. 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.

Michael A. Rodriguez Name of Person Signing

July 30, 1998

Total number of pages comprising cover sheet: [1]

PD25895

ASSIGNMENT

WHEREAS, we, Ronald Perry, Norman P. Jouppi, Joel J.

McCormack, and Keith Istvan Farkas have made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled "Improved Techniques for Anisotropic Texture Mapping Using Multiple Space-Invariant Filtering Operations Per Pixel", the specification of which was executed by us on the date(s) indicated below;

WHEREAS, Digital Equipment Corporation, a corporation of the Commonwealth of Massachusetts, whose address is 111 Powdermill Road, Maynard, Massachusetts 01754, and who, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the entire right, title and interest together with the benefits and privileges hereinafter recited;

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation;

- 1. Assign, transfer and convey to Assignee the entire right, title and interest together with the benefits and privileges in and to said inventions and discoveries, said Application for Letters Patent or similar forms of protection of the United States of America, and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said application, and any and all Letters Patent, reissues and extensions of Letters Patent or similar forms of protection granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;
 - 2. Authorize Assignee to file patent applications in any

or all countries or groups of countries on any or all of said inventions and discoveries in our name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or any other relevant convention or treaty or otherwise;

- 3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein, or otherwise as Assignee may direct;
- 4. Warrant that we have not knowingly conveyed to others any rights in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;
- 5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonable serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing any facts of our conceptions, disclosures, and reduction to practice of said inventions or discoveries.

IN WITNESS WHEREOF: DATE I SIGNED INVENTOR'S DECLARATION: State of Wassachusetts , County of Middlesey on July 39,1998 before me,
himberly A MORIN , personally appeared, Ronald Perry, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. Witness my hand and official seal: Signature Kinbertyer

Seal:

My Commission Expires: May 10,2002

IN WITNESS WHEREOF: DATE I SIGNED INVENTOR'S DECLARATION: Norman P. Jouppi Today's 6/19/98 State of California, County of Sate Clare, Norman P. Jouppi, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. Witness my hand and official seal: Signature: four by Mich

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Seal:

JAMES H. MASON Commission # 1104439 Notary Public --- California Santa Chira. County My Comm. Equinas Sap 10, 2000

IN WITNESS WHEREOF:	
DATE I SIGNED INVENTOR'S DECLARATION:	
Today's Date: 18 July 1908 (Joel J. McCormack	
State of Colorado County of Pondes,	
on _une 18th 1998 before me, Motthiw James Summer , personally appeared, Joel	
J. McCormack, personally known to me (or proved to me on the	
basis of satisfactory evidence) to be the person whose name is	
subscribed to the within instrument and acknowledged to me that	
ne executed the same in his authorized capacity, and that by his	
signature on the instrument the person, or the entity upon	
behalf of which the person acted, executed the instrument.	
Witness my hand and official seal: Signature: Muther Janus Jumes Charles Control of Con	
Signature. S. Conclude france C.	
My Commission Expires: 3-2-02-	
Seal:	

PATENT REEL: 9362 FRAME: 0189

IN WITNESS WHEREOF:
DATE I SIGNED INVENTOR'S DECLARATION:
Today's Date: 6/19/98 Yesth Tadiers Keith Istvan Farkas
State of California, County of
on the 19,1918 before me, Mes bl. Wolson, Notany Poshi, personally appeared,
Keith Istvan Farkas, personally known to me (or proved to me on
the basis of satisfactory evidence) to be the person whose name
is subscribed to the within instrument and acknowledged to me
that he executed the same in his authorized capacity, and that
by his signature on the instrument the person, or the entity
upon behalf of which the person acted, executed the instrument.
Witness my hand and official seal:
Signature: A.M.
Signature: fam. A. M. My Commission Expires: for 10,2000
Seal:

.

RECORDED: 07/30/1998

JAMES H. MASON
Commission # 110/439
Notary Public — California
Santa Clara in curity
My Commit. Explicit Sap 10, 2000