FORM PTO-1595 R	20-2003 U.S. DEPARTMENT OF COMMERC U.S. Patent and Trademark Office
ОМВ No. 0651-0027 (вхр. 6/30/2005)	2604826
To the Director of the United States Patent and	Fiease record the attached original documents or copy thereof.
1. Name of conveying part(ies):	2. Name and address of receiving party(ies)
Yucel Altunbasak Hyungjoon Kim	Name: Georgia Tech Research Corporation
	Street Address: 505 Tenth Street, N.W. Atlanta, Georgia 30332-0415
Additional name(s) of conveying party(ies) attached?	Additional name(s) & address(es) attached? Yes X No
3. Nature of conveyance:	
🛛 Assignment 📄 Merger	So S
Security Agreement Change of Name Other:	
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Execution Date: 11/10/2003	
	blication, the execution date of the application is: $11/10/20$
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5. Name and address of party to whom correspondence concerning document should be mailed: Scott A. Horstemeyer Thomas, Kayden, Horstemeyer & Risley, L.L.P. 100 Galleria Parkway, Suite 1750 Atlanta, Georgia 30339-5948 003 SDIRETAI 00000107 10706395 021 40.00 0H DO NOT USE 1 9. Statement and signature.	ached? Yes ⊠No 6. Total number of applications/patents involved: [1] 7. Total fee (37 CFR 3.41) \$ 40.00 ⊠ Enclosed Authorization to charge credit card (attached) 8. Deposit Account Number: 20-0778 (Attach duplicate copy of this page if paying by Deposit Account) THIS SPACE
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P.O. Box 1450 P.O. Box 1450 Alexandria, Virginia 22313-1450

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ASSIGNMENT OF UTILITY PATENT APPLICATION

WHEREAS, the following partics:

Name

<u>Address</u>

Yucel Altunbasak Hyungjoon Kim 5276 Medlock Corners Drive, Norcross, GA 30092 1335 Kilmington Ct., Alpharetta, GA 30004

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

SIGNAL PROCESSING SYSTEM,

which was:

- executed on even date herewith,
- filed with the United States Patent and Trademark Office (USPTO) on , and assigned Serial No. , and
- further described in U.S. Provisional application entitled "Very Low Complexity Rate-Distortion Optimal Macroblock Mode Selection and Motion Estimation for MPEG-Like Encoders," filed with the USPTO on November 14, 2002, and assigned Serial No. 60/426,163.

Note: Only one of the first two checkboxes will be checked. The third checkbox will be checked, only if appropriate.

WHEREAS, Georgia Tech Research Corporation, having a place of business at 505 Tenth Street, N.W., Atlanta, Georgia 30332-0415, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in and to said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and

PATENT REEL: 014698 FRAME: 0843

p.6

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transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR's behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.

PATENT REEL: 014698 FRAME: 0844

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Altunbasak

Date: November 10th 2003

United States of America

State of Georgia

County of

Notary Public

My Commission Expires (Date)

PATENT REEL: 014698 FRAME: 0845

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Hympin En Ilyungjoon Kim

Date: November 10th 2003

United States of America

State of Georgia

County of

On this <u>10th</u> day of <u>November</u>, 20<u>e3</u>, before me personally came Hyungjoon Kim to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.

Notary Public

My Commission Expires (Date)

RECORDED: 11/12/2003