

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Qun Gu	12/14/2000
Scott E. Budge	12/08/2000
RECEIVING PARTY DATA	
Name:	Utah State University
Street Address:	1770 N. Research Park Way, Suite 120
City:	Logan
State/Country:	UTAH
Postal Code:	84321
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	11205366
Application Number:	11515227
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Address Line 4:	Salt Lake City, UTAH 84110
ATTORNEY DOCKET NUMBER:	1423-4202.2 AND 4202.3US
NAME OF SUBMITTER:	Allen C. Turner

Total Attachments: 3
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CH \$80.00 11205366

PATENT

Attorney Docket No. 4202US

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned **ASSIGNOR** does hereby:

SELL, ASSIGN AND TRANSFER to Utah State University ("**ASSIGNEE**"), a university of higher education and a non-profit corporation organized and existing under the laws of the State of Utah, having a place of business at 1770 N. Research Park Way, Suite 120, Logan, Utah 84321, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the Provisional Application for United States Letters Patent Serial No. 60/172,708 filed on December 17, 1999, and is entitled **METHOD FOR IMAGE CODING BY RATE-DISTORTION ADAPTIVE ZEROTREE-BASED RESIDUAL VECTOR QUANTIZATION AND SYSTEM FOR EFFECTING SAME**, such application and all other and further applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements, including without limitation provisional, utility and design applications and encompassing divisional, continuing, substitute, renewal and reissued applications; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

AUTHORIZE the **ASSIGNEE** to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the **ASSIGNEE**;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the **ASSIGNEE**, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the **ASSIGNEE** all facts and provide to the **ASSIGNEE** all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other

proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNORS:

[Signature]
Qun Gu

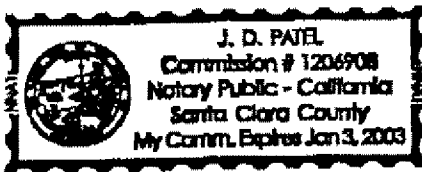
Date 12/14/00

[Signature]
Scott E. Budge

Date 12/8/00

STATE OF California
COUNTY OF S. Clara : ss.

BEFORE ME, the undersigned authority, on this 14TH day of Dec., 2000, personally appeared Qun Gu, ~~personally known~~ or proven by satisfactory documentary evidence to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



[Signature] (J. D. Patel)
Notary or Consular Officer

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p. 4

STATE OF Utah)
COUNTY OF Cache) : ss.

BEFORE ME, the undersigned authority, on this 8th day of December, 2000, personally appeared Scott E. Budge, personally known or proven by satisfactory documentary evidence to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Joan P. Smith
Notary or Consular Officer

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