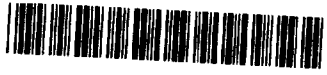


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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Unless filed with a new application, mail to: BOX ASSIGNMENT, Commissioner of Patents and Trademarks, Washington, D.C. 20231.

12-23-98 09/214217

1. Name of conveying party(ies):
Michael S. Zhdanov
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
Name: University of Utah
Address: 210 Park Building
Salt Lake City, Utah 84112
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: June 24, 1997

NOTICE OF EXPRESS MAILING
Express Mail Mailing Label Number: HL248225825US
Date of Deposit with USPS: December 23, 1998
Person making Deposit: Jared Turner

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: December 22, 1998
A. U.S. Patent Application No.(s)
B. U.S. Patent No.(s)
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning this document should be mailed:
Name: Laurence B. Bond
Trask, Britt & Rossa
P.O. Box 2550
Salt Lake City, UT 84110-2550
Attorney Docket No. 2925.1US

6. Total number of U.S. applications and U.S. patents involved:
7. Total fee (37 C.F.R. § 3.41) \$ 40.00
(\$40.00 times number in box 6)
Fee included with filing fee.
8. The Commissioner is hereby authorized to charge any deficiency or credit any overpayment to deposit account number 20-1469.

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9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct.

Name of Person Signing
Reg. No. 30,549

Signature

Date
Total number of pages including cover sheet, attachments and document:

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned, Michael S. Zhdanov (Assignor),

Hereby sell, assign and transfer to University of Utah (Assignee), a non-profit organization existing under the laws of the State of Utah, its successors, assigns and legal representatives, 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 International Patent Application which has been executed by the undersigned ASSIGNOR concurrently herewith and is entitled:

METHOD OF BROAD BAND ELECTROMAGNETIC HOLOGRAPHIC IMAGING

and in and to said application, including all rights of priority appertaining thereto, and all divisional, continuing, substitute, renewal, reissue, national entry, regional entry and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, national entry, regional entry and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned. The Assignee hereby converts to the Assignor's recordation and registration of this Assignment with all appropriate governmental authorization.

ASSIGNOR(S):

(Signature) Michael Zhdanov

Date: June 24, 1997

Name: MICHAEL S. ZHDANOV

STATE OF UTAH)

: ss.

County of Salt Lake)

Before me this 24 day of June, personally appeared Michael

S. Zhdanov, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.



Darlene Holt

My Commission Expires:

Oct 14, 2000