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Docket No. 3047-6228

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FORM PTO-1595 (Rev. 6-93)

10-30-1998

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

RECO



100863642

To the Honorable Commissioner of Patents and Trademarks. Please return the enclosed original _____ or copy thereof.

1. Name of conveying party(ies):
Christopher I. Byrnes

Additional name(s) of conveying party(ies) attached: ☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: October 9, 1998

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

Name: Washington University

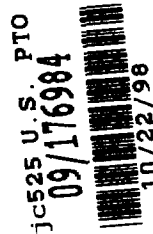
Internal Address: One Brookings Drive

St. Louis, Missouri 63130

Street Address: One Brookings Drive

City St. Louis State: MO Zip: 63130

Additional name(s) & address(es) attached? ☐ Yes ☒ No



4. Application number(s) or patent number(s): 09/176984

If this document is being filed together with a new application, the execution date of the application is: October 09, 1998

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: R. Haferkamp

Internal Address: 7733 Forsyth Boulevard, Suite 1400

Street Address: 7733 Forsyth Boulevard, Suite 1400

City: St. Louis State: MO ZIP: 63105

6. Total number of applications and patents involved: 1

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

☒ Enclosed

☒ Authorized to be charged to deposit account (if amount is insufficient)

8. Deposit account number:
18-1829

(Attach duplicate copy of this page if paying by deposit account)

10/29/1998 DNGUYEN 00000310 09176984

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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.

R. Haferkamp
Name of person signing

R. Haferkamp
Signature

Oct. 22, 1998
Date

Total number of pages including cover sheet, attachments, and document: 3

OMB No. 0651-0011 (exp. 4/94)

PATENT

ASSIGNMENT

WHEREAS, I, Christopher I. Byrnes of 30 Aberdeen Place, St. Louis, Missouri 63105, have co-invented certain new and useful improvements in *Method And Apparatus For A Tunable High-Resolution Spectral Estimator* for which I have this same day executed an application for Letters Patent in the United States identifying me as a co-inventor thereof (said application being identified as Howell & Haferkamp, L.C., Docket 3047-6228); and

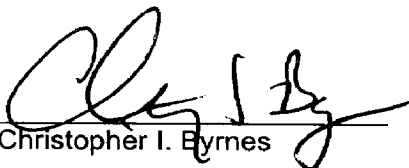
WHEREAS, Washington University, a corporation of the State of Missouri having its principal office and place of business at One Brookings Drive, St. Louis, Missouri 63130, is desirous of acquiring the entire right, title and interest in and to said invention and improvements as disclosed in said application, in and to said application, and in and to the patent to be obtained thereon.

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt and adequacy of all of which are hereby acknowledged, I, Christopher I. Byrnes, have sold, assigned and transferred and do hereby sell, assign and transfer unto said Washington University, its successors or assigns, the entire right, title and interest in and to said invention and improvements as the same are disclosed in said application which was executed by me concurrently herewith preparatory to filing for Letters Patent, in and to said application, and in and to any Letters Patent, including divisionals, continuations, reissues, reexaminations and extensions to be obtained therefor in the United States and all foreign countries; and I further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent as the assignee may desire to apply for, but at the expense of said assignee.

The Commissioner of Patents or other proper official is hereby authorized and requested to issue said Letters Patent to said Washington University in accordance with this Assignment.

IN WITNESS WHEREOF, I have hereunto set my hand the 9th day of

October 1998.


Christopher I. Byrnes

STATE OF MISSOURI

SS

COUNTY OF ST. LOUIS

On this 9th day of October 1998 before me, a Notary Public, within and for the County of St. Louis, State of Missouri, personally appeared Christopher I. Byrnes, to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Linda R. Ragdale
Notary Public

My Commission Expires: May 19, 2002

