

Form PTO-1595 (Rev. 06/04)

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below:

1. Name of conveying party(ies)/Execution Date(s):

James C. Willey
Erin L. Crawford
David A. WeaverExecution Date(s) July 5, 14, 2005Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

2. Name and address of receiving party(ies)

Name: Medical University of Ohio

Internal Address: _____

Street Address: 3035 Arlington AvenueCity: ToledoState: OhioCountry: USA Zip: 43614-5804Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)
11/072,700☐ This document is being filed together with a new application.
B. Patent No.(s)Additional numbers attached? ☐ Yes ☒ No

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

Name: Patrick P. Pacella, Esq.Internal Address: Emch, Schaffer, Schaub
& Porcella Co., L.P.A.Street Address: P.O. Box 916City: ToledoState: Ohio Zip: 43697Phone Number: 419-243-1294Fax Number: 419-243-8502Email Address: essp@essp-law.com6. Total number of applications and patents involved: 17. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____b. Deposit Account Number 15-0825Authorized User Name Patrick P. Pacella9. Signature: Patrick P. Pacella
Signatureaug 17, 2005
Date

Patrick P. Pacella

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

PATENT

REEL: 016645 FRAME: 0417

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ASSIGNMENT

WHEREAS, we, JAMES C. WILEY, of Toledo, Ohio, ERIN L. CRAWFORD, of Rossford, Ohio, and DAVID A. WEAVER, of Perrysburg, Ohio, have invented a METHODS AND COMPOSITIONS FOR ASSESSING NUCLEIC ACIDS AND ALLELES for which we have executed application for United States Letters Patent, Serial No. 11/072,700, filed March 4, 2005; and

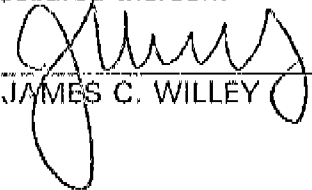
WHEREAS, MEDICAL UNIVERSITY OF OHIO, of 3035 Arlington Avenue, Toledo, Ohio 43614-5804, organized and operating in the State of Ohio, is desirous of acquiring the entire interest in and to said invention and any Letters Patent to issue therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other valuable considerations to us in hand paid, the receipt whereof is hereby acknowledged, we, JAMES C. WILEY, ERIN L. CRAWFORD AND DAVID A. WEAVER do hereby sell, assign and transfer unto the said, MEDICAL UNIVERSITY OF OHIO, its successors or assigns, the entire right, title and interest in and to said application and invention in the United States and all countries foreign thereto, including the right of priority under the International Convention of 1883 and later modifications thereof, and to any Letters Patent to issue therefor, and we hereby request the Commissioner of Patents and Trademarks of the United States to issue to said company any Letters Patent thereon, in accordance with the terms of this assignment.

We agree to execute any and all documents required by said company, its successors or assigns, for the prosecution of said application, or of any division,

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continuation, reissue, or reexamination thereof, or for securing foreign patents covering said invention, and also any documents required by it, its successors or assigns, to more fully vest in it or them title to said invention, or to any application or patent that may be filed therefor or secured thereon.


JAMES C. WILLEY 7/5/05

STATE OF OHIO)
) SS
COUNTY OF LUCAS)

On this 5 day of JULY, 2005, before me appeared JAMES C. WILLEY, to me personally known, and acknowledged the signing of the above instrument to be his free act and deed.

(SEAL)



Notary Public
My commission expires 8/19/08


ERIN L. CRAWFORD

STATE OF OHIO)
) SS
COUNTY OF LUCAS)

On this 14 day of JULY, 2005, before me appeared ERIN L. CRAWFORD, to me personally known, and acknowledged the signing of the above instrument to be his free act and deed.

(SEAL)


Notary Public
My commission expires 8/19/08

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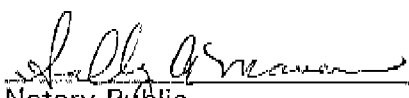


DAVID A. WEAVER

STATE OF OHIO)
) SS
COUNTY OF LUCAS)

On this 5th day of July, 2005, before me appeared
DAVID A. WEAVER, to me personally known, and acknowledged the signing of
the above instrument to be his free act and deed.

(SEAL)



Notary Public
My commission expires 8/19/08