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| PATENT ASSIGNMENT COVER SHEET |
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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| JOHN B. KISIEL | 11/21/2014 |
| DAVID A. AHLQUIST | 11/21/2014 |
| WILLIAM R. TAYLOR | 11/21/2014 |
| DOUGLAS W. MAHONEY | 12/10/2014 |
| TRACY C. YAB | 11/21/2014 |
| RECEIVING PARTY DATA | |
| Name: | MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH |
| Street Address: | 200 FIRST STREET S.W. |
| City: | ROCHESTER |
| State/Country: | MINNESOTA |
| Postal Code: | 55905 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16242695 |
| CORRESPONDENCE DATA | |
| Fax Number: | (608)662-1276 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | |
| Email: | macheckett@casimirjones.com |
| Correspondent Name: | ROBERT A. GOETZ |
| Address Line 1: | CASIMIR JONES, S.C. |
| Address Line 2: | 2275 DEMING WAY, STE 310 |
| Address Line 4: | MIDDLETON, WISCONSIN 53562 |
| ATTORNEY DOCKET NUMBER: | EXCTM-34122/US-3/CON |
| NAME OF SUBMITTER: | ROBERT A. GOETZ |
| SIGNATURE: | /Robert A. Goetz/ |
| DATE SIGNED: | 02/06/2019 |
| Total Attachments: 2 | |
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ASSIGNMENT

WHEREAS, WE, *John B. Kisiel, David A. Ahlquist, William R. Taylor, Douglas W. Mahoney and Tracy Yab*, hereinafter referred to as "ASSIGNORS," have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **DETECTING CHOLANGIOCARCINOMA**
Filing Date: **26-Sep-2014** Serial No.: **62/055,737**

WHEREAS, **MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH**, a Minnesota Corporation having a place of business at **200 First Street S.W., Rochester, Minnesota, 55905**, hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNORS by ASSIGNEE, and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, or prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, to the full extent and term of any Letters Patent.

ASSIGNORS further agree that ASSIGNORS will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge, and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed ASSIGNORS' names to this Assignment on the date indicated below.

John B. Kisiel Date

William R. Taylor Date

Tracy Yab Date

David A. Ahlquist Date
[Signature] 12/10/14

Douglas W. Mahoney Date

STATE OF)
) ss.
COUNTY OF)

On this 10th day of Dec., in the year of 2014, before me, the undersigned Notary Public or Witness, personally appeared the above-named ASSIGNORS, known to me (or proven to me on the basis of satisfactory evidence) to be the persons whose names are subscribed to the within instrument, and acknowledged that they executed the same.

[Signature]
NOTARY PUBLIC or WITNESS
MY COMMISSION EXPIRES: 1/31/2019

SEAL

