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PATENTS ONLY

11-311

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)

Ming Yu
Fred Mrozek
Daniel J. Henry

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Goodrich Corporation

Internal Address: _____

Street Address: 2730 West Tyvola Road

City: Charlotte

State: NC

Country: USA

Zip: 28217

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) _____

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

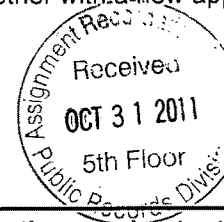
This document is being filed together with a new application.

A. Patent Application No. (s)

13/200,463

B. Patent No. (s)

Additional numbers attached? Yes No



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

Name: THOMAS A. FAIRHALL

Internal Address: _____

McDONNELL BOEHNEN HULBERT & BERGHOFF LLP

Street Address: 300 SOUTH WACKER DR.

City: CHICAGO

State: ILLINOIS

Zip: 60606-6709

Phone Number: 360 379 6514

Fax Number: 360 379 2434

Email Address: FAIRHALL@MBHB.COM

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 13-2490

Authorized User Name: THOMAS A. FAIRHALL

9. Signature:

Thomas A. Fairhall
Signature

10-27-11
Date

THOMAS A. FAIRHALL
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

MBHB Case No. 11-311
Goodrich Docket No: 211SF022

Serial No.: 13/200,463

Filing Date: 9-23-11

Inventors: Ming Yu, Fred Mrozek, Daniel J. Henry

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to:

Goodrich Corporation
2730 West Tyvola Road
Charlotte, NC 28217

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

**Wide Field of View Monocentric Lens and Image Sensor System for Infrared Aerial
Reconnaissance Camera**

and identified as:

Case No. 11-311

in the offices of MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrants himself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand and seal this 24 day of March, 2011.

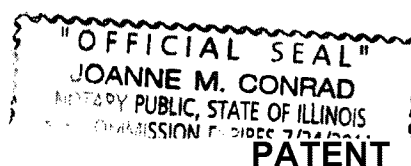
State of Illinois
County of Lake

Ming Yu
Ming Yu

The foregoing instrument was acknowledged before me this 24 day of March, 2011

Joanne M. Conrad
NOTARY PUBLIC

2



WITNESS my hand and seal this 24 day of March, 2011

Fred Mrozek
Fred Mrozek

State of Illinois

County of Lake

The foregoing instrument was acknowledged before me this 24th day of March, 2011

Joanne M. Conrad
NOTARY PUBLIC



WITNESS my hand and seal this 24th day of MARCH, 2011.

Daniel J. Henry
Daniel J. Henry

State of Illinois

County of Lake

The foregoing instrument was acknowledged before me this 24th day of March, 2011

Joanne M. Conrad
NOTARY PUBLIC

