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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name	Execution Date		
MATTHEW B. DUBIN			05/26/2009		
ROBERT J. PAGANO			06/19/2009		
JAMES CIRILLO			06/16/2009		
RECEIVING PARTY DA	ATA				
Name: PARKER-HA		R-HANNIFIN CORPORATION	ANNIFIN CORPORATION		
Street Address:	6035 P	ARKLAND BOULEVARD			
City:	CLEVE	LAND			
State/Country:	оню				
Postal Code:	44124-	4141			
Property Type		Number			
Application Number:		12990987			
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CORRESPONDENCE					
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Attorney Docket No.: 2802-101-019

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned:

Inventor Name	Addrees
MATTHEW BRIAN DUBIN	3721 North Sabino Point Place, Tucson, AZ 85750
ROBERT JOSEPH PAGANO	942 West Wanda Vista Place, Tucson, AZ 85704
JAMES CIRILLO	2962 E. Derbyshire Road, Cleveland Hts., OH 44118

hereby sell(s) and assign(s) to Parker-Hannifin Corporation ("Parker"), a company having a place of business at 6035 Parkland Boulevard Cleveland, Ohio 44124-4141, its successors and assigns, the entire worldwide right, title and interest in and to:

i) the invention(s) entitled:

OPTICAL PROBE DESIGN FOR IMAGING IN AN ABSOLUTE POSITION SENSING SYSTEM

for which a patent application is being or has been filed with the U.S. Patent and Trademark Office on May 14, 2009 and assigned Application No. PCT/US2009/43967 (I/We authorize the insertion of the application number and filing date of the application now identified by the attorney docket number(s) and title set forth above.);

- ii) said patent application;
- iii) any and all provisional patent applications on which priority is claimed;

(iv) any and all related patent application(s) in the United States or a country foreign thereto, including continuations, continuations-in-part, divisionals, conversions, renewals, substitutes, reissues, reexaminations, extensions, non-provisional applications, convention, International (e.g., Patent Cooperation Treaty (PCT)) and other applications based in whole or in part upon said invention(s) or upon said application(s);

v) any and all patents, including renewals, reissues, certificates of reexamination and extensions thereof granted for said invention(s) or upon said application(s); and

vi) every priority right that is or may be predicated upon or arise from said invention(s), said application(s) and said patent(s).

I/We additionally authorize Parker to file in my/our name(s), or its own name, applications for patent in any country (by international convention, treaty or otherwise).

I/We also appoint Parker as my/our common representative to represent me/us before all the competent International Authorities in connection with any and all international applications.

I/We hereby authorize the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue any said patent to Parker in accordance herewith.

I/We hereby covenant that I/we have the full right to convey the entire interests herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith and that such assigned rights are not encumbered by any grant, license or other right previously given.

Page 1 of 2

PATENT REEL: 033972 FRAME: 0013

Attorney Docket No.: 2802-101-019

I/We agree that each time a request is made, and without undue delay, I/we will execute and deliver all such papers as may be necessary or desirable to perfect the title in and to the invention(s), said application(s) and said patent(s), to Parker, its successors and assigns.

I/We agree, without undue delay, to undertake all reasonable acts to assure that said invention(s), patent application(s) and patent(s) shall be held and enjoyed by Parker as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly: to execute and deliver to the Parker all lawful documents including petitions, specifications, oaths, declarations, powers of attorney, assignments, invention disclaimers and lawful affidavits in form and substance which may be requested by the Parker; to furnish the Parker with all facts relating to said invention(s) or the history thereof and any and all documents, photographs, models, samples or other physical exhibits that may be useful for establishing the facts of conception, disclosure and reduction to practice of said invention(s); and to testify in any proceedings relating to said invention(s), patent application(s) and patent(s).

HFW BRIAN

26/99

ROBERT

19/09

JAMES CIRILLO

Date

Page 2 of 2

Attorney Docket No.: 2802-101-019

I/We agree that each time a request is made, and without undue delay, I/we will execute and deliver all such papers as may be necessary or desirable to perfect the title in and to the invention(s), said application(s) and said patent(s), to Parker, its successors and assigns.

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MATTHEW BRIAN DUBIN Date

 ROBERT JOSEPH PAGANO
 Date

 JAMES CIRILLO
 Date

RECORDED: 10/17/2014