PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| Bruce D. Larkin | 05/30/2006 |
| Joseph A. Kovach | 06/02/2006 |
| Matthew H. Simon | 05/31/2006 |
| Eric B. Chapman | 05/30/2006 |
| Dan T. Nguyen | 05/30/2006 |

RECEIVING PARTY DATA

| Name: | PARKER-HANNIFIN CORPORATION |
|-----------------|-----------------------------|
| Street Address: | 6035 Parkland Blvd. |
| City: | Cleveland |
| State/Country: | ОНЮ |
| Postal Code: | 44124 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11440636 |

CORRESPONDENCE DATA

Fax Number: (216)896-4027

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 216-896-2049

Email: sleonardi@parker.com
Correspondent Name: Daniel J. Whitman
Address Line 1: 6035 Parkland Blvd.
Address Line 4: Northfield, OHIO 44124

| ATTORNEY DOCKET NUMBER: | 2802-101-014 |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | Daniel J. Whitman |

PATENT REEL: 018042 FRAME: 0253

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Total Attachments: 5
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PATENT REEL: 018042 FRAME: 0254

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

FULL NAME(S) AND POST OFFICE ADDRESS(S) OF INVENTOR(S) (including country)

BRUCE D. LARKIN 237 Deer Run Plainwell, MI 49080 U.S.A.

JOSEPH A. KOVACH 1206 Surfside Circle Aurora, OH 44202 U.S.A.

MATTHEW H. SIMON 7214 Baton Rouge Avenue Kalamazoo, MI 49009 U.S.A.

ERIC B. CHAPMAN 222 Amberwick Circle Brea, CA 92821 U.S.A.

Dan T. Nguyen 14881 Geneva St. Irvine, CA 92604 U.S.A.

(hereinafter referred to as ASSIGNORS), have invented and own a certain invention entitled:

TITLE OF INVENTION

OPTICAL POSITION SENSING AND METHOD

for which application for Letters Patent of the United States was filed on May 25, 2006 and assigned Serial No. 11/440,636.

WHEREAS:

PARKER-HANNIFIN CORPORATION 6035 Parkland Boulevard Cleveland, Ohio 44124-4141 U.S.A.

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS hereby sell, assign and transfer to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United

REEL: 018042 FRAME: 0255

FULL NAME AND ADDRESS (including country) OF ASSIGNEE DATE OF SIGNING

States and its territorial possession and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand

and seal this May 30 day of, 2006.

| | BRUCE D. LARKIN |
|---|--|
| State of Michigan))ss: County of Allegan) | |
| Before me personally appeared the above named, BRUCE instrument as their free act and deed on this $3D$ day of | |
| seal DATE OF SIGNING | NOTARY PUBLIC IN WITNESS WHEREOF, I/We have hereunto set hand and seal this day of, 2006. |
| | JOSEPH A. KOVACH |
| State of Ohio) | |
| County of) | |
| Before me personally appeared the above named, JOSEPH A instrument as their free act and deed on this day of | KOVACH and who acknowledged the execution of the foregoing, 2006. |
| seal | |

NOTARY PUBLIC

States and its territorial possession and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

| DATE OF SIGNING | IN WITNESS WHEREOF, I/We have hereunto set hand and seal this day of, 2006. |
|--|--|
| | BRUCE D. LARKIN |
| State of Michigan) | |
| County of) | |
| | med, BRUCE D. LARKIN and who acknowledged the execution of the foregoing day of, 2006. |
| seal | |
| | NOTARY PUBLIC |
| DATE OF SIGNING | IN WITNESS WHEREOF, I/We have hereunto set hand and seal this Dense Z day of 2006. JOSEPH A. KOVACH |
| State of Ohio) | |
| County of Cayphago)ss: | |
| Before me personally appeared the above naminstrument as their free act and deed on this | day of, 2006. |
| seal | |

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PATENT

| DATE OF SIGNING | and seal this May 31 day of, 2006. Matthew H. Simon |
|--|--|
| State of Michigan))ss: County of Kalamazee) Before me personally appeared the above named, MATTH instrument as their free act and deed or | IEW H. SIMON and who acknowledged the execution of the foregoing to this acknowledged the execution of the foregoing the foregoi |
| KAY E. KNITTER Notary Public - Michigan Allegan County My Commission Expires Oct 30, 2007 Acting in the County of KH/AMAZ | NOTARY PUBLIC IN WITNESS WHEREOF, I/We have hereunto set hand and seal this day of, 2006. |
| | ERIC B. CHAPMAN |
| State of Michigan))ss: County of) Before me personally appeared the above named, ERIC B. instrument as their free act and deed on this day of | CHAPMAN and who acknowledged the execution of the foregoing f, 2006. |
| | NOTARY PUBLIC |
| DATE OF SIGNING | IN WITNESS WHEREOF, I/We have hereunto set hand and seal this day of, 2006. |
| | DAN T. NGUYEN |
| State of California))ss: County of) | |
| Before me personally appeared the above named, DAN T. I instrument as their free act and deed on this day of | NGUYEN and who acknowledged the execution of the foregoing, 2006. |
| seal | |
| | NOTARY PUBLIC |

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RECORDED: 08/02/2006

| DATE OF SIGNING | | IN WITNESS WHEREOF, I/We have hereunto set hand and seal this day of, 2006. |
|---|-------------------------------|---|
| | | MATTHEW H. SIMON |
| State of Michigan County of |))ss:) | |
| | | HEW H. SIMON and who acknowledged the execution of the foregoing on this, 2006. |
| | | NOTARY PUBLIC |
| DATE OF SIGNING | | IN WITNESS WHEREOF, I/We have hereunto set hand and seal this May 30 day of, 2006. ERIC B. CHAPMAN |
| State of Michigan County of OPANGE |)))ss: | g. |
| Refore me personally appeare | ed the above named. ERIC B. | CHAPMAN and who acknowledged the execution of the foregoing |
| seal SIE PAGE HO Commission # Notary Public - O Orange Co My Comm. Expires | OVER 1441770 Collionisa | Sue lage Hooce NOTARY PUBLIC |
| DATE OF SIGNING | | IN WITNESS WHEREOF, I/We have hereunto set hand and seal this May 30 day of, 2006. DAN T. NGUYEN |
| State of California County of OPANSE |))ss: .) | |
| v | d the above named, DAN T. | - |
| SUE PAGE HOOM Commission # 144 Notary Public - Call | 1770 | NOTARY PUBLICO |

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PATENT REEL: 018042 FRAME: 0259