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Form **PTO-1595**
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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Docket No. PARKP0152USA

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Timothy J. Harned
Harald Franz
Steven Roger Huard

6.5.03

2. Name and address of receiving party(ies)

Name: Parker-Hannifin Corporation

Internal Address: _____

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Street Address: 6035 Parkland Boulevard

City: Cleveland State: OH Zip: 44124

Execution Date: 5/12/03, 5/13/03 & 5/27/03 Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) 10/357,880

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

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

Name: Mark D. Saralino

Internal Address: _____

Renner, Otto, Boisselle & Sklar, LLP

Street Address: 1621 Euclid Avenue

Nineteenth Floor

City: Cleveland State: OH Zip: 44115

6. Total number of applications and patents involved: ☐

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

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

18-0988

DO NOT USE THIS SPACE

9. Signature.

Mark D. Saralino

Name of Person Signing

Signature

June 2, 2003

Date

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

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 014140 FRAME: 0366

ASSIGNMENT

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

Timothy J. Hamed, 66 Lovering Road, N. Hampton, New Hampshire 03862
Harald Franz, Riedstrasse 4a, 77749 Hohberg, Germany
Steven Roger Huard, 5440 Daniel Drive, Rohnert Park, California 94928

hereby sell and assign to Parker-Hannifin Corporation, a corporation of the State of Ohio, having a place of business at 6035 Parkland Boulevard, Cleveland, Ohio 44124-4141, its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions entitled

**LINEAR MOTOR WITH MAGNET RAIL SUPPORT, END EFFECT COGGING
REDUCTION, AND SEGMENTED ARMATURE**

for which application for United States Letters Patent has been filed on February 4, 2003 under Serial No. 10/357,880, or was executed by the undersigned on the date below and is being filed concurrently herewith, or is a provisional patent application filed on _____ under Serial No. _____ or concurrently herewith, said application for United States Letters Patent, any and all other applications for Letters Patent on said inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee 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 said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models,

samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent. I authorize the patent attorney of record and/or having power of attorney in the U.S. patent application identified above to insert the serial number and filing date information for the patent application in the appropriate spaces in this assignment document when that information becomes available.

Signed:

Date:

Timothy J. Harned
Timothy J. Harned

12-May-03

CERTIFICATE OF ACKNOWLEDGMENTState of New HampshireCounty of Rockingham

On May 12, 03 before me, Jennifer Remillard, Notary Public
Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared Timothy J. Harned
Name(s) of Signer(s)

personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

J. Remillard
Signature of Notary Public

JENNIFER REMILLARD, Notary Public
My Commission Expires March 19, 2006

Signed: 
Harald Franz

Date: 13.05.03

CERTIFICATE OF ACKNOWLEDGMENT

State of _____

County of _____

On _____ before me, _____
Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared _____
Name(s) of Signer(s)

personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

Signed: Date: 5-27-2003

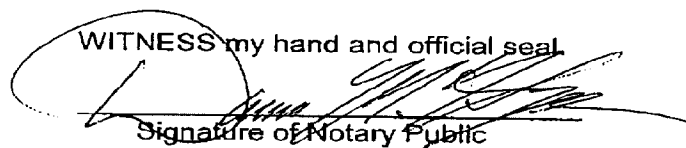
Steven R. Huard

CERTIFICATE OF ACKNOWLEDGMENTState of CaliforniaCounty of SonomaOn May 27, 2003 before me, Dawn M. Hyde Notary Public
Steven R. Huard Name and Title of Officer (e.g., "Jane Doe, Notary Public")personally appeared Steven R. Huard
Name(s) of Signer(s)

~~personally known to me~~ - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.


Signature of Notary Public