

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name                               | Execution Date |
|------------------------------------|----------------|
| Engineered Machined Products, Inc. | 03/31/2005     |

RECEIVING PARTY DATA

|                 |                               |
|-----------------|-------------------------------|
| Name:           | EMP Advanced Development, LLC |
| Street Address: | 2701 N. 30th Street           |
| City:           | Escanaba                      |
| State/Country:  | MICHIGAN                      |
| Postal Code:    | 49829                         |

PROPERTY NUMBERS Total: 12

| Property Type       | Number   |
|---------------------|----------|
| Patent Number:      | 6056518  |
| Patent Number:      | 6135098  |
| Patent Number:      | 6053706  |
| Patent Number:      | 6443006  |
| Patent Number:      | 6659737  |
| Application Number: | 10651533 |
| Application Number: | 10642881 |
| Patent Number:      | 6736965  |
| Application Number: | 10796338 |
| Application Number: | 10378119 |
| Patent Number:      | 6702555  |
| Application Number: | 11063366 |

CORRESPONDENCE DATA

Fax Number: (248)358-3351  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

CH \$480.00 6056518

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NAME OF SUBMITTER:

Denise Greig

Total Attachments: 4

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

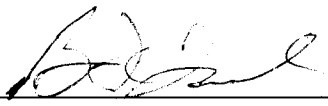
WHEREAS, Engineered Machined Products, Inc., a corporation organized and existing by virtue of the laws of the State of Michigan, and having a principal place of business at 3111 N. 28<sup>th</sup> Street, Escanaba, Michigan 49829, is the owner of the inventions claimed in the U.S. Patents and Patent Applications listed in Exhibit A, which is attached hereto;

WHEREAS, EMP Advanced Development, LLC, a limited liability company organized and existing by virtue of the laws of the State of Michigan, and having a principal place of business at 2701 N. 30<sup>th</sup> Street, Escanaba, Michigan 49829, is desirous of acquiring an interest in each of said inventions;

NOW, THEREFORE, Engineered Machined Products, Inc. does assign and transfer unto EMP Advanced Development, LLC the full and exclusive right for the United States of America and for all foreign countries to said inventions, together with all patent applications, divisionals, continuations-in-part, continuations, renewals, reexaminations, reissues or secondary filings thereof.

Included with this Assignment is the sale, assignment, and transfer to Assignee of the right to sue and collect damages for all past, present, and future infringements of the patent, including infringements that may have occurred prior to the execution or effective date (whichever is earlier) of this Assignment. Assignor agrees to cooperate with Assignee, to the extent reasonably possible and at the expense of Assignee, in connection with any efforts Assignee may take to protect or enforce any or all of its rights in the patent.

Engineered Machined Products, Inc.

By:   
\_\_\_\_\_  
Brian K. Larche

Title: CEO, Engineered Machined Products, Inc.

Date: March 31, 2025

STATE OF MI )  
 ) ss.  
COUNTY OF DELTA )

CYNTHIA L. EUGATE  
NOTARY PUBLIC DELTA CO., MI  
MY COMMISSION EXPIRES Oct 21, 2008

On this 31 day of March, 2005, personally appeared before me **Brian K. Larche**, to me known to be the person named in and who executed the above instrument, and acknowledged that he executed the same for the uses and purposes therein mentioned.

Cynthia L. Eugate  
Notary Public

My Commission expires:

(SEAL)

ENGINEERED MACHINED PRODUCTS, INC.

| SERIAL NO. | PATENT NO. | INVENTORS   | TITLE   | FILING    |            | ISSUE |                                    | ASSIGNEE  | RECORDED |              |
|------------|------------|---|---|-----------|------------|-------|------------------------------------|-----------|----------|--------------|
|            |            |   |   | DATE      | DATE       | DATE  | DATE                               |           | DATE     | REEL/FRAME # |
| 09/133,153 | 6,056,518  | David J. Allen, Brian K. Larche and Kenneth A. DeGrave                                      | Fluid Pump  | 8/12/1998 | 5/2/2000   |       | Engineered Machined Products       |           |          |              |
| 09/167,368 | 6,135,098  | David J. Allen, Brian K. Larche and Kenneth A. DeGrave                                      | Flow-Through Controllable Air Charger   | 10/6/1998 | 10/24/2000 |       | Engineered Machined Products, Inc. | 10/6/1998 |          | 009511/0854  |
| 09/042,261 | 6,053,706  | David J. Allen  | Oil Pump With Integrated Oil Metering Device  | 3/13/1998 | 4/25/2000  |       | Engineered Machined Products, Inc. | 3/13/1998 |          | 009032/0979  |
| 09/567,190 | 6,443,006  | Kenneth A. DeGrave  | Device Which Measures Oil Level And Dielectric Strength With A Capacitance Based Sensor Using A Ratiometric Algorithm | 5/9/2000  | 9/3/2002   |       | Engineered Machined Products, Inc. | 5/9/2000  |          | 010790/0088  |
| 09/777,391 | 6,659,737  | Mark Bader, Michael P. Lasecki, Steven Shiverski, Kenneth A. DeGrave, and Jeremy S. Carlson | Electronic Fluid Pump With An Encapsulated Stator Assembly  | 2/5/2001  | 12/9/2003  |       | Engineered Machined Products, Inc. | 2/5/2001  |          | 011515/0054  |
| 10/651,533 |            | Mark Bader, Michael P. Lasecki, Steven Shiverski, Kenneth A. DeGrave, and Jeremy S. Carlson | Electronic Fluid Pump   | 8/29/2003 |            |       | Engineered Machined Products, Inc. | 2/5/2001  |          | 011515/0054  |
| 10/642,881 |            | Mark Bader, Michael P. Lasecki, Steven Shiverski, Kenneth A. DeGrave, and Jeremy S. Carlson | Electronic Fluid Pump   | 8/18/2003 |            |       | Engineered Machined Products, Inc. | 2/5/2001  |          | 11515/0054   |
| 10/131,009 | 6,736,965  | Jason M. Cousineau and David J. Allen   | Auxiliary Filtration System And Filtering Method  | 4/24/2002 | 5/18/2004  |       | Engineered Machined Products, Inc. | 6/18/2002 |          | 012996/0609  |
| 10/796,338 |            | Jason M. Cousineau and David J. Allen   | Auxiliary Filtration System And Filtering Method  | 3/9/2004  |            |       | Engineered Machined Products, Inc. | 6/18/2002 |          | 012996/0609  |
| 10/378,119 |            | Cory C. Cousineau, Mike Lasecki, Mark Bader, Steven Shiverski and Kenneth A. DeGrave        | Fluid Valve   | 3/3/2003  |            |       | Engineered Machined Products, Inc. |           |          |              |

ENGINEERED MACHINED PRODUCTS, INC.

| SERIAL NO. | PATENT NO. | INVENTORS   | TITLE  | FILING DATE | ISSUE DATE | ASSIGNEE                           | RECORDED DATE | REEL/FRAME # |
|------------|------------|---|--|-------------|------------|------------------------------------|---------------|--------------|
| 10/198,687 | 6,702,555  | David J. Allen, Mark Bader, Jeremy S. Carlson, Kenneth DeGrave, Michael Lasecki and Steven Shiverski          | Fluid Pump Having An Isolated Stator Assembly                    | 7/17/2002   | 3/9/2004   | Engineered Machined Products, Inc. | 7/17/2002     | 013120/0236  |
| 11/063,366 |            | David J. Allen, Mark S. Bader, Michael W. Martin, Robert D. Chalgren, Michael P. Lasecki and Thomas J. Hollis | Thermal Management System And Method For A Heat Producing System | 2/23/2005   |            | Engineered Machined Products, Inc. |               |              |