

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
David J. Allen	05/31/2005
Mark S. Bader	05/24/2005
Robert D. Chalgren Jr.	05/24/2005
Michael P. Lasecki	05/25/2005
Michael W. Martin	05/24/2005
Keith Brannstrom	05/24/2005

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: 1

Property Type	Number
Application Number:	11125440

CORRESPONDENCE DATA

Fax Number: (248)358-3351

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

Phone: 248-358-4400

Email: dgreig@brookskushman.com

Correspondent Name: Brooks Kushman P.C.

Address Line 1: 1000 Town Center, Twenty-Second Floor

Address Line 4: Southfield, MICHIGAN 48075

NAME OF SUBMITTER:

Denise Greig

Total Attachments: 3

PATENT

REEL: 016254 FRAME: 0455

500039544

CH \$40.00 11125440

source=1AsgnEMP0153PUS#page1.tif
source=2AsgnEMP0153PUS#page1.tif
source=3AsgnEMP0153PUS#page1.tif

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we, David J. Allen of 5972 Norway Pine, Gladstone, MI 49837; Mark S. Bader of 7324 Lake Bluff 0.75 Lane, Gladstone, MI 49837; Robert D. Chalgren, Jr. of 5123 Birch Point Lane, Duluth, MN 55804; Michael P. Lasecki of 7786 North Lake Bluff 0.5 Drive, Gladstone, MI 49837; Michael W. Martin of 8216 M.5 Road, Gladstone, MI 49837; and Keith Brannstrom of 8311 25PT 3 Lane, Rapid River, MI 49878, do hereby assign, sell and set over to EMP Advanced Development, LLC, a corporation organized and existing under the laws of the State of Michigan and having a place of business at 2701 N. 30th Street, Escanaba, Michigan 49829, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in

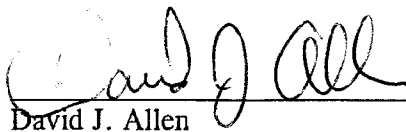
Cooling System And Method For Cooling A Heat Producing System

for which an application for a United States Patent is to be filed or will have been filed on May 10, 2005, as Application Serial No. 11/125,440 (we hereby authorize our attorney to insert the application filing date and number when they become known), including the right of said ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in our names, at its or their election, and we hereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to said inventions and discoveries in all countries, including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.

And we hereby agree for ourselves, our heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.

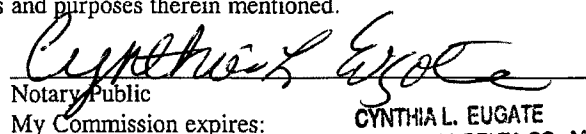
And we hereby represent and warrant that we have not granted any rights inconsistent with the rights granted herein.

Date: May 31, 2005


David J. Allen

STATE OF MI)
) ss.
COUNTY OF Delta)

On this 31st day of May, 2005, personally appeared before me David J. Allen, 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.


Notary Public
My Commission expires:

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

(SEAL)

Date: May 24, 2005

Mark S. Bader
Mark S. Bader

STATE OF MI)
) ss.
COUNTY OF Delta)

On this 24th day of May, 2005, personally appeared before me Mark S. Bader, 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: CYNTHIA L. EUGATE
NOTARY PUBLIC DELTA CO., MI
MY COMMISSION EXPIRES Oct 21, 2008

(SEAL)

Date: May 24, 2005

Robert D. Chalgren, Jr.
Robert D. Chalgren, Jr.

STATE OF MI)
) ss.
COUNTY OF Delta)

On this 24th day of May, 2005, personally appeared before me Robert D. Chalgren, Jr., 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: CYNTHIA L. EUGATE
NOTARY PUBLIC DELTA CO., MI
MY COMMISSION EXPIRES Oct 21, 2008

(SEAL)

Date: MAY 25, 2005

Michael P. Lasecki
Michael P. Lasecki

STATE OF MI)
) ss.
COUNTY OF Delta)

On this 25th day of May, 2005, personally appeared before me Michael P. Lasecki, 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: CYNTHIA L. EUGATE
NOTARY PUBLIC DELTA CO., MI
MY COMMISSION EXPIRES Oct 21, 2008

(SEAL)

Date: May 24, 2005

Michael W. Martin

Michael W. Martin

STATE OF MI)
) ss.
COUNTY OF Delta)

On this 24th day of May, 2005, personally appeared before me
Michael W. Martin, 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:

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

(SEAL)

Date: May 24, 2005

Keith J. Brannstrom

Keith Brannstrom

STATE OF MI)
) ss.
COUNTY OF Delta)

On this 24th day of May, 2005, personally appeared before me
Keith Brannstrom, 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:

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

(SEAL)