

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Gerald Michael Malen</td> <td>08/23/2011</td> </tr> <tr> <td>Timothy Costanzo</td> <td>04/10/2012</td> </tr> <tr> <td>Ian W. Donaldson</td> <td>08/18/2011</td> </tr> <tr> <td>Joel H. Mandel</td> <td>08/15/2011</td> </tr> </tbody> </table>		Name	Execution Date	Gerald Michael Malen	08/23/2011	Timothy Costanzo	04/10/2012	Ian W. Donaldson	08/18/2011	Joel H. Mandel	08/15/2011
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>GKN SINTER METALS, LLC</td> </tr> <tr> <td>Street Address:</td> <td>3300 University Drive</td> </tr> <tr> <td>City:</td> <td>Auburn Hills</td> </tr> <tr> <td>State/Country:</td> <td>MICHIGAN</td> </tr> <tr> <td>Postal Code:</td> <td>48326-2362</td> </tr> </table>		Name:	GKN SINTER METALS, LLC	Street Address:	3300 University Drive	City:	Auburn Hills	State/Country:	MICHIGAN	Postal Code:	48326-2362
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (414)271-3552 Phone: 414-277-5000 Email: pat-dept@quarles.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: QUARLES & BRADY LLP Address Line 1: 411 E. Wisconsin Avenue Address Line 4: Milwaukee, WISCONSIN 53202</p>											
ATTORNEY DOCKET NUMBER:	990029.00160										
NAME OF SUBMITTER:	Tracey A. Baxter										
<p>Total Attachments: 4 source=99002900160execassg#page1.tif source=99002900160execassg#page2.tif source=99002900160execassg#page3.tif source=99002900160execassg#page4.tif</p>											

CH \$40.00 13318437

ASSIGNMENT

WHEREAS, We, **Gerald Michael Malen** of Troy, Michigan, **Timothy Costanzo** of Emporium, Pennsylvania, **Ian W. Donaldson** of Jefferson, Massachusetts and **Joel H. Mandel**, of Hartford, Wisconsin, have made certain inventions which are described in an application for Letters Patent of the United States entitled **ADHESIVE JOINING FOR POWDER METAL COMPONENTS** executed by us preparatory to obtaining United States Letters Patent therefor and claiming the benefit of U.S. Provisional Patent Application Nos. 61/175,154 filed 04 May 2009, and PCT/US2009/046423 filed 05 June 2009, and U.S. Patent Application _____ filed _____, and

WHEREAS, **GKN SINTER METALS, LLC**, a Delaware corporation having a place of business at Auburn Hills, Michigan, (hereinafter called **Company**), is desirous of acquiring the entire interest in said inventions throughout the United States of America and the territories thereof and for all foreign countries.

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, receipt whereof is hereby acknowledged, we hereby sell, assign, and transfer unto said **Company**, its successors and assigns, effective retroactively from the date of making said inventions, the entire right, title and interest throughout the United States of America and the territories thereof and for all foreign countries, in and to said inventions, the aforesaid application, and all other applications hereafter filed in the United States or any other country based in whole or in part on said inventions, and all Letters Patent granted upon said application by the United States or any other country, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said **Company**. We further grant to said **Company**, its successors and assigns, the right to claim for any of said applications the full benefits and priority rights of any international agreement between the United States and any foreign country or countries.

We hereby warrant that we have the full right to make the conveyance herein, and we hereby covenant that we, our heirs, legal representatives and assigns, will, when requested, communicate to said **Company**, its representatives, successors and assigns, all facts known respecting said inventions, execute all applications including regular, divisional, continuing, reissue, reexamination and foreign applications together with individual assignments therefor, make all rightful oaths, sign all lawful papers, testify in any legal proceeding and generally do everything possible to aid said **Company**, its successors and assigns, in the obtaining of Letters Patent.

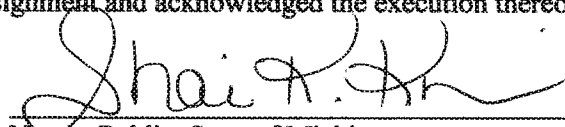
IN TESTIMONY WHEREOF, we have hereunto set our hands and seals on the date indicated below our signatures.

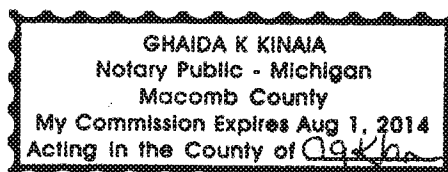
 (SEAL)
Gerald Michael Malen

STATE OF MICHIGAN)
COUNTY OF OAKLAND) ss.

Before me on this 22 day of AUGUST, 2011, came Gerald Michael Malen, to me known to be the person named in the foregoing Assignment and acknowledged the execution thereof to be his free act and deed.

(SEAL)


Notary Public, State of Michigan
My Commission: 8-01-2014



 4/10/12 (SEAL)
Timothy Costanzo

STATE OF PENNSYLVANIA)
) ss.
COUNTY OF _____)

Before me on this _____ day of _____, 2011, came Timothy Costanzo, to me known to be the person named in the foregoing Assignment and acknowledged the execution thereof to be his free act and deed.

(SEAL)

Notary Public, State of Pennsylvania
My Commission: _____

Ian W. Donaldson (SEAL)

STATE OF MASSACHUSETTS)
) ss.
COUNTY OF _____)

Before me on this _____ day of _____, 2011, came Ian W. Donaldson, to me known to be the person named in the foregoing Assignment and acknowledged the execution thereof to be his free act and deed.

(SEAL)

Notary Public, State of Massachusetts
My Commission: _____

Joel H. Mandel (SEAL)

STATE OF WISCONSIN)
) ss.
COUNTY OF _____)

Before me on this _____ day of _____, 2011, came Joel H. Mandel, to me known to be the person named in the foregoing Assignment and acknowledged the execution thereof to be his free act and deed.

(SEAL)

Notary Public, State of Wisconsin
My Commission: _____

_____(SEAL)
Timothy Costanzo

STATE OF PENNSYLVANIA)
) ss.
COUNTY OF _____)

Before me on this _____ day of _____, 2011, came Timothy Costanzo, to me known to be the person named in the foregoing Assignment and acknowledged the execution thereof to be his free act and deed.

(SEAL)

Notary Public, State of Pennsylvania
My Commission: _____

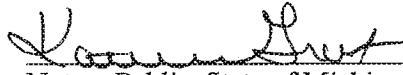
 (SEAL)
Ian W. Donaldson

STATE OF MICHIGAN)
) ss.
COUNTY OF Oakland)

Before me on this 18th day of August, 2011, came Ian W. Donaldson, to me known to be the person named in the foregoing Assignment and acknowledged the execution thereof to be his free act and deed.

(SEAL)

KATHERINE GRANT
NOTARY PUBLIC, STATE OF MI
COUNTY OF OAKLAND
MY COMMISSION EXPIRES Nov 3, 2011
ACTING IN THE COUNTY OF

 _____
Notary Public, State of Michigan
My Commission: _____

_____(SEAL)
Joel H. Mandel

STATE OF WISCONSIN)
) ss.
COUNTY OF _____)

Before me on this _____ day of _____, 2011, came Joel H. Mandel, to me known to be the person named in the foregoing Assignment and acknowledged the execution thereof to be his free act and deed.

(SEAL)

Notary Public, State of Wisconsin
My Commission: _____

_____(SEAL)
Timothy Costanzo

STATE OF PENNSYLVANIA)
) ss.
COUNTY OF _____)

Before me on this _____ day of _____, 2011, came Timothy Costanzo, to me known to be the person named in the foregoing Assignment and acknowledged the execution thereof to be his free act and deed.

(SEAL)

Notary Public, State of Pennsylvania
My Commission: _____

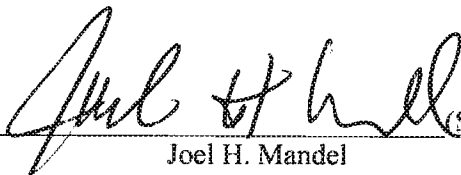
_____(SEAL)
Ian W. Donaldson

STATE OF MASSACHUSETTS)
) ss.
COUNTY OF _____)

Before me on this _____ day of _____, 2011, came Ian W. Donaldson, to me known to be the person named in the foregoing Assignment and acknowledged the execution thereof to be his free act and deed.

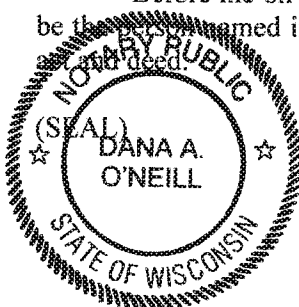
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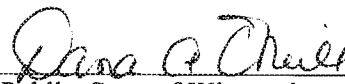
Notary Public, State of Massachusetts
My Commission: _____

 (SEAL)
Joel H. Mandel

STATE OF WISCONSIN)
) ss.
COUNTY OF Washington)

Before me on this 15 day of August, 2011, came Joel H. Mandel, to me known to be the person named in the foregoing Assignment and acknowledged the execution thereof to be his free act and deed.




Notary Public, State of Wisconsin
My Commission: June 1, 2014