



RECORDATION FORM COVER SHEET  
PATENTS ONLY

05-07-2001



101703291

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

10.22.01

<p>1. Name of conveying party(ies): Don H. Hashiguchi; University Heights, Ohio</p> <p>Additional names of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <p>3. Nature of Conveyance <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: March 6, 2001</p>	<p>2. Name and address of receiving party(ies): Brush Wellman, Inc. 17876 St. Clair Avenue Cleveland, Ohio 44110</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>
<p>4. Application number(s) or patent number(s): 09/797,465</p> <p>If this document is being filed together with a new application, the execution date of the application is:</p> <p>A. Patent Application No(s). B. Patent No(s).</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>John E. Miller Attorney Calfee, Halter &amp; Griswold LLP 800 Superior Avenue, Suite 1400 Cleveland, Ohio 44114</p> <p>05/01/2001 AGOITOM 00000099 09797465 02 FC:581 40.00 DP</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): \$ <u>40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Total fee due <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees</p> <p>8. Deposit account number: <u>03-0172</u></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
<p>DO NOT USE THIS SPACE</p>	
<p>9. Statement and signature</p> <p>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p> <p>Attorney: <u><i>J. Miller</i></u> Signature <u>4/24/01</u> Date</p> <p>Total number of pages comprising transmittal: <u>1</u></p>	

CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited on April 24, 2001 with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Signed: *Debra L. Hale*  
Debra L. Hale

**ASSIGNMENT**

For One Dollar (\$1.00) and other good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, I, the undersigned, **Don H. Hashiguchi**, 2320 Miramar Boulevard, University Hts., OH 44118, hereby assign all right, title and interest to Brush Wellman, Inc., an Ohio corporation, having a place of business at 17876 St. Clair Avenue, Cleveland, Ohio 44110, 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 in

**IMPROVED CASTINGS FROM ALLOYS HAVING LARGE LIQUIDUS/SOLIDUS  
TEMPERATURE DIFFERENTIALS**

set forth in the application for United States Letters Patent executed by the undersigned on March 6, 2001, 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 Patents and reissues and extension 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 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 the 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 in 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 the testify in any proceedings relating to said inventions, patent applications and Letters Patent.

