



10-21-1998

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FORM PTO-1595



HEET

Docket No. 32979/VGG/A396

Box Assignment  
Commissioner of Patents and Trademarks  
Washington, D.C. 20231

100856481

Post Office Box 7068  
Pasadena, CA 91109-7068

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

10-16-98

|   |  |  |                         |
|---|--|--|-------------------------|
| <p>1. Name of conveying party(ies):<br/>         (1) Robert S. Cole<br/>         (2) Mathew S. Cooper<br/>         (3) Stephen P. Turner<br/>         (4) Yinshi Liu<br/>         (5) Michael McCarty<br/>         (6) Rodney L. Scagline<br/>         Additional name(s) of conveying party(ies) attached: no</p>  | <p>2. Name and address of receiving party(ies):<br/>         Name: <b>The Alta Group, Inc.</b><br/>         Street Address:<br/> <b>RR2, Box 710, Marion School Road<br/>         Fombell, Pennsylvania 16123-9403</b></p>   |  |                         |
| <p>3. Name of conveyance:<br/> <input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger<br/> <input type="checkbox"/> Security Agreement      <input type="checkbox"/> Change of Name<br/> <input type="checkbox"/> Other:<br/>         Execution Date: (1) (2) August 24, 1998; (3) August 28, 1998; (4) September 28, 1998; (5) August 25, 1998; (6) August 31, 1998</p>   | <p>Additional name(s) &amp; address(es) attached? no</p>   |  |                         |
| <p>4. Application number(s) or patent number(s):<br/>         If this document is being filed together with a new application, the execution date of the application is:</p> <table border="0"> <tr> <td data-bbox="105 997 730 1197"> <p>A. Patent Application No.(s)<br/>09/139,240</p> </td> <td data-bbox="730 997 1518 1197"> <p>B. Patent No.(s)</p> </td> </tr> </table> <p>Additional numbers attached? no</p>  |  | <p>A. Patent Application No.(s)<br/>09/139,240</p> | <p>B. Patent No.(s)</p> |
| <p>A. Patent Application No.(s)<br/>09/139,240</p>  | <p>B. Patent No.(s)</p>  |  |                         |
| <p>5. Please return the recorded document and address all correspondence to:<br/> <b>CHRISTIE, PARKER &amp; HALE, LLP</b><br/>         P.O. Box 7068<br/>         Pasadena, CA 91109-7068<br/>         Attention: Vincent G. Gioia</p>  | <p>6. Total number of applications and patents involved..... <span style="border: 1px solid black; padding: 2px;">one</span></p> <p>7. <input checked="" type="checkbox"/> Total fee enclosed (37 CFR 3.41):      \$ 40.00</p> <p>8. <input checked="" type="checkbox"/> Any deficiency or overpayment of fees should be charged or credited to <b>Deposit Account No. 03-1728</b>, except for payment of issue fees required under 37 CFR § 1.18. Please show our docket number with any credit or charge to our Deposit Account.</p> |  |                         |
| <p>9. Statement and signature.<br/>         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.<br/>         Date: October 13, 1998<br/>         By: <u>Vincent G. Gioia</u><br/>         Name: Vincent G. Gioia<br/>         626/795-9900; 213/681-1800</p> <p>10. <input type="checkbox"/> Explanatory letter is enclosed.</p> <p>I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE U.S. POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231 ON <u>10-15-98</u> <u>Vincent G. Gioia</u><br/>         (DATE SIGNED)</p> <p>Total number of pages including cover sheet, attachments, and document: <span style="border: 1px solid black; padding: 2px;">6</span></p> |  |  |                         |

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VGG/bje  
BJE IRV16346.1\*-10/13/98 4:04 pm

**ASSIGNMENT**

WHEREAS, WE, **Robert S. Cole, Mathew S. Cooper, Stephen P. Turner, Yinshi Liu, Michael McCarty, and Rodney L. Scagline**, residing at 1547 Garvin Road, Cranberry Twp, Pennsylvania 16066; 103 E. Portersville Road, Portersville, Pennsylvania 16051; 4026 Turnwood Lane, Moon Twp, Pennsylvania 15108; 3149 Casa de Campo, #F-117, San Mateo, California 94403; 667 Huntington Drive, Mars, Pennsylvania 16046; and 582 Prospect Road, Evans City, Pennsylvania 16033, respectively, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **HIGH PURITY COBALT SPUTTER TARGET AND PROCESS OF MANUFACTURING THE SAME**, Application No. 09/139,240; filed August 25, 1998;

AND WHEREAS **The Alta Group, Inc.**, a Pennsylvania corporation, having a place of business at RR2 Box 710, Marion School Road, Fombell, Pennsylvania 16123-9403 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and we hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

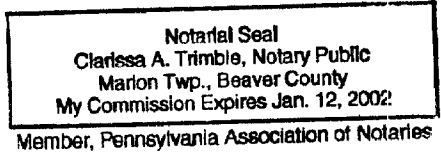
AND WE HEREBY further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 24 day of August, 1998.

[Signature]  
Robert S. Cole

STATE OF )  
COUNTY OF )

On AUGUST 24, 1998, before me CLARISSA A. TRIMBLE, Notary Public, personally appeared Robert S. Cole personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



WITNESS my hand and official seal.

Clarissa A. Trimble  
Signature of Notary

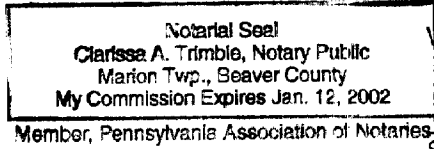
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IN TESTIMONY WHEREOF, I hereunto set my hand this 24 day of AUGUST, 1998.

[Signature]  
Mathew S. Cooper

STATE OF )  
COUNTY OF )

On AUGUST 24, 1998, before me CLARISSA A. TRIMBLE, Notary Public, personally appeared Mathew S. Cooper personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



WITNESS my hand and official seal.

Clarissa A. Trimble  
Signature of Notary

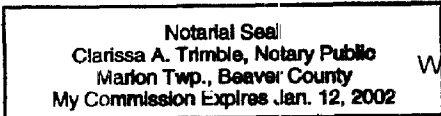
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IN TESTIMONY WHEREOF, I hereunto set my hand this 28 day of August, 19 98.

Stephen P. Turner  
Stephen P. Turner

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ )

On August 28 1998, before me CLARISSA A. TRIMBLE, Notary Public, personally appeared **Stephen P. Turner** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



WITNESS my hand and official seal.

Member, Pennsylvania Association of Notaries

Clarissa A. Trimble  
Signature of Notary

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IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_.

\_\_\_\_\_  
Yinshi Liu

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, before me \_\_\_\_\_, Notary Public, personally appeared **Yinshi Liu** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
Signature of Notary

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IN TESTIMONY WHEREOF, I hereunto set my hand this ~~20~~ day of ~~September~~, 19 ~~98~~.

\_\_\_\_\_  
Stephen P. Turner

STATE OF )  
COUNTY OF )

On \_\_\_\_\_, before me \_\_\_\_\_, Notary Public, personally appeared Stephen P. Turner personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
Signature of Notary

IN TESTIMONY WHEREOF, I hereunto set my hand this 28 day of September, 19 98

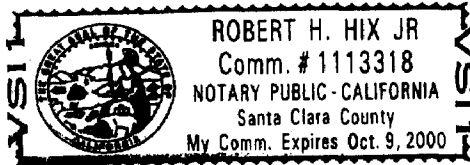
Yinshi Liu  
\_\_\_\_\_  
Yinshi Liu

STATE OF CALIFORNIA )  
COUNTY OF Santa Clara )

On Sept. 28, 1998, before me ROBERT H. HIX JR., Notary Public, personally appeared Yinshi Liu personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Robert H. Hix, Jr.  
\_\_\_\_\_  
Signature of Notary

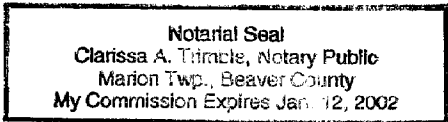


IN TESTIMONY WHEREOF, I hereunto set my hand this 25 day of August, 19 98

Michael McCarty  
Michael McCarty

STATE OF )  
COUNTY OF )

On AUGUST 25, 1998, before me CLARISSA A. TRIMBLE, Notary Public, personally appeared **Michael McCarty** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



WITNESS my hand and official seal.

Clarissa Trimble

Member, Pennsylvania Association of Notaries Signature of Notary

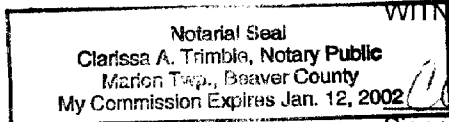
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IN TESTIMONY WHEREOF, I hereunto set my hand this 31 day of August, 19 98.

Rodney L. Scagline  
Rodney L. Scagline

STATE OF )  
COUNTY OF )

On AUGUST 31, 1998, before me CLARISSA A. TRIMBLE, Notary Public, personally appeared **Rodney L. Scagline** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



WITNESS my hand and official seal.

Clarissa Trimble

Member, Pennsylvania Association of Notaries Signature of Notary

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