

## PATENT ASSIGNMENT

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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>Daniel Keith Scherrer</td> <td>10/19/2012</td> </tr> <tr> <td>Joseph Alan Douthett</td> <td>10/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Daniel Keith Scherrer	10/19/2012	Joseph Alan Douthett	10/19/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>AK Steel Properties, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>9227 Centre Pointe Drive</td> </tr> <tr> <td>City:</td> <td>West Chester</td> </tr> <tr> <td>State/Country:</td> <td>OHIO</td> </tr> <tr> <td>Postal Code:</td> <td>45069</td> </tr> </table>		Name:	AK Steel Properties, Inc.	Street Address:	9227 Centre Pointe Drive	City:	West Chester	State/Country:	OHIO	Postal Code:	45069
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13467494</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13467494						
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CORRESPONDENCE DATA											
<p>Fax Number: 5136516981  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 5136516128        Email: aschoen@fbtlaw.com        Correspondent Name: Ann G. Schoen        Address Line 1: 3300 Great American Tower        Address Line 2: 301 East Fourth Street        Address Line 4: Cincinnati, OHIO 45202</p>											
ATTORNEY DOCKET NUMBER:	1606001/0374644										
NAME OF SUBMITTER:	Ann G. Schoen										
<p>Total Attachments: 2        source=A2788 Assignment#page1.tif        source=A2788 Assignment#page2.tif</p>											

OP \$40.00 13467494

## ASSIGNMENT

The undersigned (hereinafter "Assignor") of the residence(s) indicated below are the inventor(s) of certain invention(s) and embodiment(s) thereof (hereinafter collectively the "Invention") described in a United States Patent Application Serial Number 13/467,494, filed on October 9, 2012 titled Contoured Thickness Blank for Ammunition Cartridges (hereinafter the "Application").

AK Steel Properties, Inc., a corporation having a principal place of business at 9227 Centre Pointe Drive, West Chester, OH 45069, and its successors, assigns, and legal representatives (hereinafter collectively "Assignee") desires to secure the entire right, title and interest in and to the Invention.

For good and valuable consideration, the receipt and adequacy of which is acknowledged, Assignor hereby:

1. Sells, assigns and transfers to Assignee the entire right, title and interest in and to the Invention, the Application, any other applications to which the Application claims priority benefit, including but not limited to related provisional applications, any other patent applications based in whole or in part upon the Invention or Application in any country (including Patent Cooperation Treaty, divisional, renewal, substitute, continuation, and continuation-in-part applications), all patents and other forms of intellectual property protection which may be granted thereon (including all reissues, reexaminations, and extensions thereof), and all priority rights appertaining thereto;
2. Authorizes Assignee to file applications for patents and other forms of intellectual property protection on the Invention in any country in the name of Assignee, or otherwise as Assignee may deem advisable;
3. Authorizes and requests the Director of the United States Patent & Trademark Office, and such patent office officials in foreign countries as are duly authorized by their laws to issue patents, to issue any patents on the Invention to Assignee as the owner of the entire right, title, and interest therein or otherwise as Assignee may direct;
4. Agrees, without expense to Assignor but without further consideration, to carry out in good faith the intent and purpose of this Assignment by executing all divisional, renewal, substitute, continuation, continuation-in-part, reissue, and all other patent applications based on the Invention; executing all rightful oaths, assignments, powers of attorney and other papers; communicating to Assignee all facts known to Assignor relating to the Invention and the history thereof; and generally, doing everything reasonably possible which Assignee shall consider desirable for aiding in securing, maintaining, and enforcing proper protection for the Invention and for vesting title in Assignee to the Invention and all patent applications and patents based on the Invention;

5. Represents and warrants that Assignor has the full right to convey to Assignee the entire interest to the Invention, and that Assignor has not executed, and will not execute, any agreement in conflict herewith; and

6. Authorizes Frost Brown Todd, LLC to insert in this Assignment the serial number and filing date of the Application or any other information which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this Assignment.

Sole or first inventor:

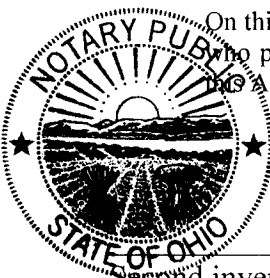
Signature: Daniel Keith Scherrer Date: 10-19-2012  
Full Name: Daniel Keith Scherrer  
Residence: 147 Wexford Drive  
Monroe, OH 45050

STATE OF OHIO )  
) SS:  
COUNTY OF BUTLER )

On this 19<sup>th</sup> day of OCTOBER, 2012, personally appeared before me DANIEL KEITH SCHERRER who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to on this Assignment, and acknowledged that he executed the same.

MARSHA L. O'DELL, Notary Public  
In and for the State of Ohio  
My Commission Expires Dec. 2, 2016

Notary Public: Marsha L. O'Dell  
My Commission Expires: December 2, 2016



Second inventor:

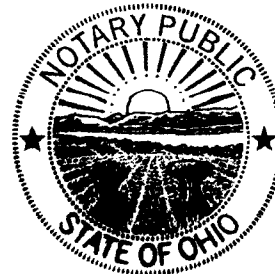
Signature: Joseph Alan Douthett Date: 10-19-2012  
Full Name: Joseph Alan Douthett  
Residence: 38 Heatherwood Court  
Monroe, OH 45050

STATE OF OHIO )  
) SS:  
COUNTY OF BUTLER )

On this 19<sup>th</sup> day of OCTOBER, 2012, personally appeared before me JOSEPH ALAN DOUTHETT who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to on this Assignment, and acknowledged that he executed the same.

Notary Public: Marsha L. O'Dell  
My Commission Expires: December 2, 2016

CINLibrary 1606001.0374644 2610389vv1



MARSHA L. O'DELL, Notary Public  
In and for the State of Ohio  
My Commission Expires Dec. 2, 2016