

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	NOBORU TSUBOI	02/03/2014
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)	
<b>Street Address:</b>	2-4, WAKINOHAMA-KAIGANDORI 2-CHOME, CHUO-KU	
<b>City:</b>	KOBE-SHI, HYOGO	
<b>State/Country:</b>	JAPAN	
<b>Postal Code:</b>	651-8585	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	14230149	
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<b>ATTORNEY DOCKET NUMBER:</b>	432631US41	
<b>NAME OF SUBMITTER:</b>	ALVA WORDEN	
<b>SIGNATURE:</b>	/Alva Worden/	
<b>DATE SIGNED:</b>	03/31/2014	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 2</b>		
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ASSIGNMENT OF APPLICATION

WHEREAS I (WE) NOBORU TSUBOI of c/o Harima Plant in Kobe Steel, Ltd. 41, Niijima, Harima-cho, Kako-gun, Hyogo,  
675-0155 Japan, respectively, have invented certain new and useful improvements in:

EXPANDER

(Application No. \_\_\_\_\_, filed \_\_\_\_\_), and

WHEREAS, Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.) having a place of business at: 2-4, Wakinohama-Kaigandori  
2-chome, Chuo-ku, Kobe-shi, Hyogo, 651-8585, Japan, (hereinafter referred to as "ASSIGNEE") is/are desirous of acquiring the  
entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United  
States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged,  
and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full  
and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire  
right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial  
possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and  
renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and  
all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire  
right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full  
end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had  
this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us)  
respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute,  
renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to  
said ASSIGNEE, make all rightful oaths, and generally do everything possible to aid said ASSIGNEE, its (his) successors and  
assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and  
all foreign countries.

The undersigned hereby grant(s) the firm of OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, L.L.P. of 1940  
DUKE STREET ALEXANDRIA, VIRGINIA 22314 U.S.A. the power to insert on this assignment any further identification,  
including the application number and filing date, 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 document.

Date February 3, 2014

壺井 昂

NOBORU TSUBOI

Date

Date

Date

Date

Date

Date

Date

Date