

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Xinhai Zhu</td> <td>07/31/2013</td> </tr> <tr> <td>Li Zhang</td> <td>07/26/2013</td> </tr> </tbody> </table>		Name	Execution Date	Xinhai Zhu	07/31/2013	Li Zhang	07/26/2013
Name	Execution Date						
Xinhai Zhu	07/31/2013						
Li Zhang	07/26/2013						
RECEIVING PARTY DATA							
Name:	Livermore Software Technology Corporation						
Street Address:	7374 Las Positas Road						
City:	Livermore						
State/Country:	CALIFORNIA						
Postal Code:	94551						
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>13955638</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13955638		
Property Type	Number						
Application Number:	13955638						
CORRESPONDENCE DATA							
Fax Number:	4085210550						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	4083138748						
Email:	rogerchu@lstc.com						
Correspondent Name:	Roger H Chu						
Address Line 1:	P. O. Box 712						
Address Line 4:	Livermore, CALIFORNIA 94551						
ATTORNEY DOCKET NUMBER:	LSTC-086						
NAME OF SUBMITTER:	Roger H. Chu						
Signature:	/lstc-rc/						
Date:	07/31/2013						

This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 4**

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN PATENT  
APPLICATION USING AN APPLICATION DATA SHEET (37 CFR  
1.76) AND ASSIGNMENT**

**Title of Invention:**

**Numerical Simulation of Progressive Lancing Operation in Sheet Metal Forming**

As the below named inventor, I hereby declare that:

This declaration is directed to:

( ) The attached application, or  
(X) United States application number 13/955,638  
filed on July 31,2013.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby state that I have reviewed and understood that contents of the specification of the above-identified application, including the claims as amended by any amendment specifically referred to in the oath of declaration. I acknowledge a duty to disclose information which is material to patentability of the above-identified application in accordance with 37 CFR1.56.

In consideration of the sum of TWO DOLLARS (\$2.00), the receipt and sufficiency of which is hereby acknowledged, and for other good and valuable consideration, I, the undersigned, herby:

1) sell, assign and transfer unto Livermore Software Technology Corporation, a corporation of the State of California, having a principal place of business at: 7374 Las Positas Rd., Livermore, California 94551 (hereinafter referred to as "ASSIGNEE"), and its successors, assigns, and legal representatives, the full and exclusive right to said invention in the United States and its territorial possessions and in any and all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters/Design Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisional, reissue, continuation, substitute and renewal thereof;

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

3) agree to execute all lawful papers and documents, and perform all lawful acts useful in connection with said United States and foreign applications, at the request and expense of the ASSIGNEE, in obtaining and enforcing patents for said improvements in all countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under Title 18, United States Code, Section 1001 by fine or imprisonment of not more than five (5) years, or both.

In Testimony Whereof, I hereunto set my hand.

Signature: Xinhai Zhu Date: 07-31-13  
 Inventor Name: Xinhai Zhu  
 Address: 7374 Las Positas Rd. Livermore, CA 94551

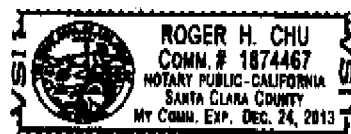
State of California )  
 ) ss.  
 County of Alameda )

On this 31<sup>th</sup> day of July, in the year 2013, before me, ROGER H. CHU Notary Public, personally appeared Xinhai Zhu, who 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Notary Signature Roger H. Chu (SEAL)



**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN PATENT**  
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**1.76) AND ASSIGNMENT**

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

3) agree to execute all lawful papers and documents, and perform all lawful acts useful in connection with said United States and foreign applications, at the request and expense of the ASSIGNEE, in obtaining and enforcing patents for said improvements in all countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under Title 18, United States Code, Section 1001 by fine or imprisonment of not more than five (5) years, or both.


In Testimony Whereof, I hereunto set my hand.

Signature:  Date: 7/26/2013  
Inventor Name: Li Zhang  
Address: 7374 Las Positas Rd. Livermore, CA 94551

State of Michigan )  
County of Oakland ) ss.

On this 26 day of July, in the year 2013, before me, Notary Public, personally appeared Li Zhang, who 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.

Notary Signature  (SEAL)

