

## 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>
JINZHONG LU	06/27/2018
HAIFEI LU	06/27/2018
KAIYU LUO	06/27/2018
LIUJUN WU	06/27/2018
CHANGYU WANG	06/27/2018
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	JIANGSU
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	212013
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16068092
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(520)882-7643
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<b>ATTORNEY DOCKET NUMBER:</b>	JINGWEI DOP18US1448
<b>NAME OF SUBMITTER:</b>	NORMAN P. SOLOWAY
<b>SIGNATURE:</b>	/norman p. soloway/
<b>DATE SIGNED:</b>	07/12/2018
<b>Total Attachments: 5</b>	
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ASSIGNMENT

I, Jinzhong LU of Jiangsu, China, having invented certain inventions and improvements in **A DOUBLE-SIDE SYNCHRONOUS LASER SHOCK PEENING METHOD FOR LEADING EDGE OF TURBINE BLADE** and having executed an application for Letters Patent of the United States of America describing the same and based thereon (U.S. Patent Application Serial No. 16/ 068,092 , filed July 3 , 2018), for good and valuable consideration, the receipt of which is hereby acknowledged from **JIANGSU UNIVERSITY**, a Chinese University having its principal address at No. 301, Xuefu Road Zhenjiang, Jiangsu 212013, CHINA (hereinafter called the Assignee), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America;

And for the same consideration I do agree that I will upon request execute any instrument which the Assignee may desire to carry this Assignment into effect and perfect the title transferred hereby or prosecute the above-mentioned application;

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue Letters Patent on the said application to the Assignee;

And I do hereby jointly and severally covenant for myself and for my legal representatives that I have granted no right or license to make, use, or sell said invention to anyone except the Assignee, that prior to the execution of this deed my right, title, and interest in and to said inventions or any of them or any part thereof has not been otherwise encumbered by me, and that I have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted.

Inventor's signature Jinzhong LU Date 2018.06.27  
Full name (typed or printed) Jinzhong LU

Witness: Wanting ZHOU Witness: Jin CAO  
Date: 2018.06.27 Date: 2018.06.27

ASSIGNMENT

I, Haifei LU of Jiangsu, China, having invented certain inventions and improvements in **A DOUBLE-SIDE SYNCHRONOUS LASER SHOCK PEENING METHOD FOR LEADING EDGE OF TURBINE BLADE** and having executed an application for Letters Patent of the United States of America describing the same and based thereon (U.S. Patent Application Serial No. 16/068,092, filed July 3, 2018), for good and valuable consideration, the receipt of which is hereby acknowledged from **JIANGSU UNIVERSITY**, a Chinese University having its principal address at No. 301, Xuefu Road Zhenjiang, Jiangsu 212013, CHINA (hereinafter called the Assignee), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America;

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IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted.

Inventor's signature Haifei LU Date 2018.06.27  
Full name (typed or printed) Haifei LU

Witness: Wanting ZHOU Witness: Jun CAO  
Date: 2018.06.27 Date: 2018.06.27

ASSIGNMENT

I, Kaiyu LUO of Jiangsu, China, having invented certain inventions and improvements in **A DOUBLE-SIDE SYNCHRONOUS LASER SHOCK PEENING METHOD FOR LEADING EDGE OF TURBINE BLADE** and having executed an application for Letters Patent of the United States of America describing the same and based thereon (U.S. Patent Application Serial No. 16/068,092, filed July 3, 2018), for good and valuable consideration, the receipt of which is hereby acknowledged from **JIANGSU UNIVERSITY**, a Chinese University having its principal address at No. 301, Xuefu Road Zhenjiang, Jiangsu 212013, CHINA (hereinafter called the Assignee), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America;

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IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted.

Inventor's signature Kaiyu LUO Date 2018.6.27  
Full name (typed or printed) Kaiyu LUO

Witness: Wanting ZHOU Witness: Jun CAO  
Date: 2018.06.27 Date: 2018.06.27

ASSIGNMENT

I, Liujun WU of Jiangsu, China, having invented certain inventions and improvements in **A DOUBLE-SIDE SYNCHRONOUS LASER SHOCK PEENING METHOD FOR LEADING EDGE OF TURBINE BLADE** and having executed an application for Letters Patent of the United States of America describing the same and based thereon (U.S. Patent Application Serial No. 16/068,092, filed July 3, 2018), for good and valuable consideration, the receipt of which is hereby acknowledged from **JIANGSU UNIVERSITY**, a Chinese University having its principal address at No. 301, Xuefu Road Zhenjiang, Jiangsu 212013, CHINA (hereinafter called the Assignee), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America;

And for the same consideration I do agree that I will upon request execute any instrument which the Assignee may desire to carry this Assignment into effect and perfect the title transferred hereby or prosecute the above-mentioned application;

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And I do hereby jointly and severally covenant for myself and for my legal representatives that I have granted no right or license to make, use, or sell said invention to anyone except the Assignee, that prior to the execution of this deed my right, title, and interest in and to said inventions or any of them or any part thereof has not been otherwise encumbered by me, and that I have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted.

Inventor's signature Liujun WU Date 2018.06.27  
Full name (typed or printed) Liujun WU

Witness: Wanting ZHOU Witness: Jun CAO  
Date: 2018.06.27 Date: 2018.06.27



ASSIGNMENT

I, Changyu WANG of Jiangsu, China, having invented certain inventions and improvements in **A DOUBLE-SIDE SYNCHRONOUS LASER SHOCK PEENING METHOD FOR LEADING EDGE OF TURBINE BLADE** and having executed an application for Letters Patent of the United States of America describing the same and based thereon (U.S. Patent Application Serial No. 16/068,092, filed July 3, 2018), for good and valuable consideration, the receipt of which is hereby acknowledged from **JIANGSU UNIVERSITY**, a Chinese University having its principal address at No. 301, Xuefu Road Zhenjiang, Jiangsu 212013, CHINA (hereinafter called the Assignee), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America;

And for the same consideration I do agree that I will upon request execute any instrument which the Assignee may desire to carry this Assignment into effect and perfect the title transferred hereby or prosecute the above-mentioned application;

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And I do hereby jointly and severally covenant for myself and for my legal representatives that I have granted no right or license to make, use, or sell said invention to anyone except the Assignee, that prior to the execution of this deed my right, title, and interest in and to said inventions or any of them or any part thereof has not been otherwise encumbered by me, and that I have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted.

Inventor's signature Changyu WANG Date 2018-06-27  
Full name (typed or printed) Changyu WANG

Witness: Wanting ZHOU Witness: Jin CAO  
Date: 2018-06-27 Date: 2018-06-27