

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NEWELL R. WASHBURN	08/19/2014
HOYONG CHUNG	08/14/2014
RECEIVING PARTY DATA	
Name:	CARNEGIE MELLON UNIVERSITY
Street Address:	5000 FORBES AVENUE
City:	PITTSBURGH
State/Country:	PENNSYLVANIA
Postal Code:	15213
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	61849233
Application Number:	61962059
PCT Number:	US2014012505
CORRESPONDENCE DATA	
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Address Line 2:	P.O. BOX 910
Address Line 4:	BUTLER, PENNSYLVANIA 16003-0910
ATTORNEY DOCKET NUMBER:	14-001PCT
NAME OF SUBMITTER:	HENRY E. BARTONY, JR.
SIGNATURE:	/Henry E. Bartony, Jr., Reg. No. 34,772/
DATE SIGNED:	08/22/2014
Total Attachments: 3	
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source=Assignment_Exe_14-001PCT#page2.tif	

ASSIGNMENT

WHEREAS, **NEWELL R. WASHBURN**, a citizen and resident of United States of America, whose address is 6743 Wilkins Ave, Pittsburgh, Pennsylvania 15217 United States of America, **HOYONG CHUNG**, a citizen of South Korea and resident of the United States of America, whose address is 195 S. Wilson Ave. Apt 29, Pasadena, California 91106 United States of America, (hereinafter referred to as ASSIGNOR(S), have invented and own a certain invention or inventions related to

COMPOSITIONS AND METHODS BASED ON LIGNIN AND SYNTHETIC POLYMERS FOR TOUGHENED MATERIALS

which is described in a Provisional Patent Application filed on January 22, 2013 under application No 61/849,233 and in a Provisional Patent Application filed on October 30, 2013 under application No 61/962,059, and

LIGNIN-CONTAINING POLYMERS AND COMPOSITIONS INCLUDING LIGNIN-CONTAINING POLYMERS

which is described in an International PCT patent application filed on January 22, 2014 under application No **PCT/US2014/12505**,

WHEREAS, **CARNEGIE MELLON UNIVERSITY**, a non-profit corporation of the Commonwealth of Pennsylvania, organized and existing under the laws of the State of Pennsylvania and having a place of business at 5000 Forbes Avenue, Pittsburgh, Pennsylvania 15213 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention(s) and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that In consideration of the rights and obligations of the ASSIGNOR(S) under the University of Pittsburgh Patent Policy and Procedure and of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention(s) in the United States and its territorial possessions and in all foreign countries, said application, and any and all issued Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention(s) by said application or any continuation, divisional, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks and any corresponding foreign officer to issue to ASSIGNEE, its successors, assigns and legal representatives, any and all United States and foreign Letters Patent on said invention(s).

ASSIGNOR(S) hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale; and

ASSIGNOR(S) further covenant that when requested, without charge to, but at the expense of ASSIGNEE, that ASSIGNOR(S) will: 1) promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention(s), said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof; 2) execute, for all countries, all divisions, reissues, reexaminations, continuations, renewals, extensions and all other patent applications on any and all of said invention(s); 3) communicate all facts known to ASSIGNOR(S) relating to said invention(s), said application, said Letters Patent and legal equivalents in foreign countries and the history thereof; 4) testify in all legal proceedings; and 5) generally do everything possible which Assignee, its successors, assigns and representatives shall consider desirable for aiding in securing, maintaining and/or enforcing ASSIGNEE'S rights and patent protection in said invention(s), and for vesting title therein in ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNOR(S) further agree that ASSIGNEE shall have and to hold the interests assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, reexaminations, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment not been made.

This Assignment of Invention, effective as of January 22, 2013, may be executed by the parties in multiple counterparts, each of which shall be deemed an original.

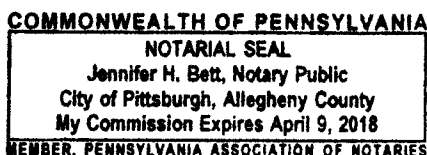
IN WITNESS WHEREOF, I have hereunto set my hand and seal this 19 day of August, 2014.

Date: 8/19/2014

Signature of ASSIGNOR(S) NEWELL R. WASHBURN

Date: _____

Signature of ASSIGNOR(S) HOYONG CHUNG



Jennifer H. Bett
8/19/2014

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261.

ASSIGNOR(S) further covenant that when requested, without charge to, but at the expense of ASSIGNEE, that ASSIGNOR(S) will: 1) promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention(s), said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof; 2) execute, for all countries, all divisions, reissues, reexaminations, continuations, renewals, extensions and all other patent applications on any and all of said invention(s); 3) communicate all facts known to ASSIGNOR(S) relating to said invention(s), said application, said Letters Patent and legal equivalents in foreign countries and the history thereof; 4) testify in all legal proceedings; and 5) generally do everything possible which Assignee, its successors, assigns and representatives shall consider desirable for aiding in securing, maintaining and/or enforcing ASSIGNEE'S rights and patent protection in said invention(s), and for vesting title therein in ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNOR(S) further agree that ASSIGNEE shall have and to hold the interests assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, reexaminations, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment not been made.

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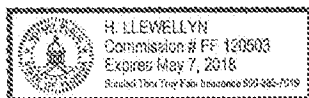
IN WITNESS WHEREOF, I have hereunto set my hand and seal this 14 day of August, 2014.

Date: _____

Signature of ASSIGNOR(S) NEWELL K. WASHBURN

Date: Aug 14 / 2014

Signature of ASSIGNOR(S) HOYONG CHUNG



H. L.

☐ Personally Known (CA)
☒ Produced Identification
 Type of Identification Produced:
CA Driver License
F4461382

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261.