

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4461082

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YOUN TAE KIM	05/15/2017
A YOUNG CHOI	05/15/2017
CHANG JUN LEE	05/15/2017
JI WON PARK	05/15/2017
DO GYUN KIM	05/15/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	INDUSTRY-ACADEMIC COOPERATION FOUNDATION, CHOSUN UNIVERSITY
<b>Street Address:</b>	INDUSTRY-ACADEMIC COOPERATION FOUNDATION AT CHOSUN UNIVERSITY
<b>Internal Address:</b>	309,PILMUN-DAERO, DONG-GU
<b>City:</b>	GWANGJU
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	61452
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15623437
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	216-621-1113
<b>Email:</b>	bhyde@rennerotto.com
<b>Correspondent Name:</b>	RENNER OTTO BOISSELLE & SKLAR, LLP
<b>Address Line 1:</b>	1621 EUCLID AVENUE
<b>Address Line 2:</b>	NINETEENTH FLOOR
<b>Address Line 4:</b>	CLEVELAND, OHIO 44115
<b>ATTORNEY DOCKET NUMBER:</b>	CHUNP0220US
<b>NAME OF SUBMITTER:</b>	DON W. BULSON
<b>SIGNATURE:</b>	/Don W. Bulson/

<b>DATE SIGNED:</b>	06/15/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 3</b> source=P0220US-EXECASSN#page1.tif source=P0220US-EXECASSN#page2.tif source=P0220US-EXECASSN#page3.tif	

**COMBINED DECLARATION AND ASSIGNMENT (US RIGHTS ONLY)  
FOR UTILITY OR DESIGN PATENT APPLICATION**

Title of invention:	<b>FIBROUS ENERGY HARVESTING DEVICE HAVING CORRUGATED STRUCTURE AND WEARABLE ITEM INCLUDING THE SAME</b>
---------------------	--

As a below named inventor, I hereby declare that this declaration and assignment are directed to:

Application No. (Express Mail Label No.)	
Filing Date (Deposit Date)	
Amended on (if applicable)	

or, if no application is identified above, the attached application.

**DECLARATION**

The above application was made or authorized to be made by me.  
 I believe that I am the original or an original joint inventor of a claimed invention in the application.  
 My residence, mailing address and citizenship are as stated below next to my name.  
 I have reviewed and understand the contents of the application, including the claims.  
 I hereby acknowledge that any willful false statement made in this declaration is punishable under Section 1001 of Title 18 of the United States Code by fine or imprisonment of not more than five (5) year, or both.

**FOREIGN PRIORITY CLAIM**

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), priority benefits under 35 U.S.C. § 119 (a)-(d) or (f), § 172 or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application(s) which designated at least one country other than the United States of America, that is/are listed below, and have also identified below any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s) or any PCT international application(s) having a filing date before that of the application(s) on which priority is claimed.

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY NOT CLAIMED
KR	10-2016-0143542	31.10.2016	

**CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. § 119(e)**

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) that is/are listed below.

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (day, month, year)

**DOMESTIC PRIORITY CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. § 120**

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), the benefit under 35 U.S.C. § 120 of any United States application(s) or PCT international application(s) designating the United States of

America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S./PCT APPLICATION NUMBER	DATE OF PUBLIS (day, month, year)	PATENT NUMBER

**DUTY OF DISCLOSURE**

I hereby acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56, which in pertinent part states that information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and (1) it establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or (2) it refutes, or is inconsistent with, a position the applicant takes in: (i) opposing an argument of unpatentability relied on by the Office, or (ii) asserting an argument of patentability. A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

**ASSIGNMENT**

For good and valuable consideration, receipt of which is hereby acknowledged, I have sold and assigned and hereby sell and assign to:

Assignee(s)	Address
Industry-Academic Cooperation Foundation, Chosun University	Industry-Academic Cooperation Foundation at Chosun University 309, Pilmun-daero Dong-gu Gwangju 61452, Republic of Korea

[If more than one assignee is listed, each owns an undivided equal share in the application and underlying invention so far as concerns the United States unless otherwise indicated or agreed to by the assignees.]

and the successors and assigns thereof, the entire right, title and interest to said invention so far as concerns the United States and the Territories and Possessions thereof, including the right to claim priority, and said application and all Letters Patent of the United States to be obtained on said application, and any related applications including any nonprovisional application, continuation, division, renewal, substitute or reissue thereof, for the full term or terms for which the same may be granted, and any U.S. nonprovisional, U.S. provisional and/or U.S. national phase patent application on which priority is claimed.

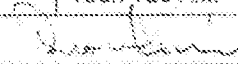
If the U.S. application number and filing date are not set forth above, authorization is hereby given for any attorney of record in the subject patent application to insert below the application number and filing date information for this application when that information becomes available.

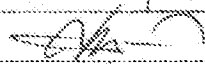
Application No.	15/623,437
Filing Date	June 15, 2017

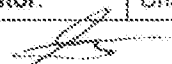
I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment and sale.


I further covenant that Assignee(s) will, upon request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to me and will testify as to the same in any proceeding related thereto and will promptly execute and deliver to Assignee(s), or the legal representative thereof, any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

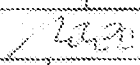
I agree that this assignment shall be construed in accordance with the law of the appropriate jurisdiction within the United States, and without regard to its conflicts of laws provisions.

Legal Name of Inventor:		Youn Tae KIM	
Inventor's signature:		Date:	15 May, 2017
Residence: (City & State/Country):	Daejeon, Republic of Korea	Citizenship:	KR
Post Office Address:	110-106, 43, Gajeong-ro, Yuseong-gu, Daejeon 34118 Republic of Korea		

Legal Name of Inventor:		A Young CHOI	
Inventor's signature:		Date:	15 May, 2019
Residence: (City & State/Country):	Gwangju, Republic of Korea	Citizenship:	KR
Post Office Address:	106-404, 294-23, Pungyeong-ro, Gwangsan-gu, Gwangju 62222 Republic of Korea		

Legal Name of Inventor:		Chang Jun LEE	
Inventor's signature:		Date:	16 May, 2019
Residence: (City & State/Country):	Gwangju, Republic of Korea	Citizenship:	KR
Post Office Address:	3-706, 125, Hakso-ro, Dong-gu, Gwangju 61463 Republic of Korea		

Legal Name of Inventor:		JI Won PARK	
Inventor's signature:		Date:	15. May, 2019
Residence: (City & State/Country):	Gwangju, Republic of Korea	Citizenship:	KR
Post Office Address:	107-1304, 100-1, Ilgok-ro, Buk-gu, Gwangju 61037 Republic of Korea		

Legal Name of Inventor:		Do Gyun KIM	
Inventor's signature:		Date:	15 May, 2019
Residence: (City & State/Country):	Jeollanam-do, Republic of Korea	Citizenship:	KR
Post Office Address:	40, Seongbak-ro, Yeongam-eup, Yeongam-gun, Jeollanam-do 58417 Republic of Korea		