

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5296453

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HYOSUNG CORPORATION	09/21/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HYOSUNG TNC CORPORATION
<b>Street Address:</b>	119, MAPO-DAERO, MAPO-GU
<b>City:</b>	SEOUL
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	04144
<b>PROPERTY NUMBERS Total: 17</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	09660520
Application Number:	10253026
Application Number:	10719758
Application Number:	11785654
Application Number:	11805447
Application Number:	11814969
Application Number:	11792680
Application Number:	12289171
Application Number:	14028791
Application Number:	14438798
Application Number:	14893031
Application Number:	14893033
Application Number:	15509918
Application Number:	15516538
Application Number:	15518991
Application Number:	15723049
Application Number:	16069515
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(612)455-3801
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent</i>	
<b>PATENT</b>	

*using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Phone:** 6124553800  
**Email:** ykase@hsml.com  
**Correspondent Name:** HAMRE, SCHUMANN, MUELLER & LARSON, P.C.  
**Address Line 1:** 45 SOUTH SEVENTH STREET, SUITE 2700  
**Address Line 4:** MINNEAPOLIS, MINNESOTA 55402

<b>ATTORNEY DOCKET NUMBER:</b>	08255.0197US01
--------------------------------	----------------

<b>NAME OF SUBMITTER:</b>	ALEXANDER J. KIM
---------------------------	------------------

<b>SIGNATURE:</b>	/Alexander J. Kim/
-------------------	--------------------

<b>DATE SIGNED:</b>	12/21/2018
---------------------	------------

**Total Attachments: 4**

source=Assignments(TNC)\_0197#page1.tif

source=Assignments(TNC)\_0197#page2.tif

source=Assignments(TNC)\_0197#page3.tif

source=Assignments(TNC)\_0197#page4.tif

### CORPORATION TO CORPORATION ASSIGNMENT

WHEREAS HYOSUNG CORPORATION, a corporate duly organized under the laws of Republic of Korea and has a head office at 119, Mapo-daero, Mapo-gu, Seoul, 04144, Republic of Korea and a research center at 183, Hoggie-dong, Dongan-ku, Anyang-si, Kyonggi-do, 431-080, Republic of Korea, and both addresses of said corporate are legal addresses of Hyosung Corporation (hereinafter referred to as the "ASSIGNOR"), has acquired by assignment interest in the U.S. patent applications and patents listed in Schedule A annexed hereto (collectively referred to as the "PATENTS");

AND WHEREAS, HYOSUNG TNC CORPORATION, a corporation organized under the laws of Republic of Korea and having an office and place of business at 119, Mapo-daero, Mapo-gu, Seoul, 04144, Republic of Korea (hereinafter referred to as "ASSIGNEE"), wishes to acquire the right, title and interest in and to said PATENTS and any U.S. Letters Patent to be obtained therefore;

NOW, THEREFORE, for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the ASSIGNOR hereby sell, assign and transfer to the above ASSIGNEE, their successors and assigns, the right, title and interest in the United States in and to the inventions disclosed in the aforesaid PATENTS, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents and the ASSIGNOR hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid inventions to the ASSIGNOR of the right, title and interest in and to the same, for the use of the ASSIGNEE, their successors and assigns.

THE ASSIGNOR represents and agrees with said ASSIGNEE, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the ASSIGNOR, and that full right to convey the same as herein expressed is possessed by the ASSIGNOR.

IN TESTIMONY WHEREOF, the ASSIGNOR have hereunto set their hand on the date indicated below.

HYOSUNG CORPORATION (Name of Assignor)

Date September 21, 2018

By: Kyoo Young Kim  
(Signature)

Name: Kyoo Young, KIM  
(Printed)

Title: CEO  
Authorized to act on behalf of the ASSIGNOR  
HYOSUNG CORPORATION

HYOSUNG TNC CORPORATION (Name of Assignee)

Date September 24, 2018

By: Kim Yong Seup  
(Signature)

Name: KIM Yong Seup  
(Printed)

Title: CEO  
Authorized to act on behalf of the ASSIGNEE  
HYOSUNG TNC CORPORATION

SCHEDULE A

PATENTS

Application No.	Filing Date	Patent No.	Issue Date	Title
09/660,520	2000-09-12	6,218,008	2001-04-17	Easy dyeable polyester fiber
10/253,026	2002-09-24	6,692,828	2004-02-17	HIGH CHLORINE AND HEAT RESISTANT SPANDEX FIBER AND MANUFACTURING METHOD THEREOF
10/719,758	2003-11-21	7,255,820	2007-08-14	PROCESS FOR THE MANUFACTURE OF ELASTIC POLYURETHANE FIBER AND THE ELASTIC POLYURETHANE FIBER MADE THEREBY
11/785,654	2007-04-19	7,396,945	2008-07-08	METHOD OF PREPARING TETRAHYDROFURAN
11/805,447	2007-05-23	7,465,816	2008-12-16	PRODUCTION OF TETRAHYDROFURAN FROM 1,4-BUTANEDIOL
11/814,969	2007-07-27	7,887,001	2011-02-15	UNWINDING MACHINE FOR ELASTROMERIC FIBER USING OETO METHOD
11/792,680	2008-03-17	7,776,945	2010-08-17	POLYESTER FIBER HAVING EXCELLENT LIGHT-SHIELDING AND FLAME RETARDANT CHARACTERISTIC AND TEXTILE GOODS USING THE SAME
12/289,171	2008-10-22	7,989,582	2011-08-02	PROCESS FOR PRODUCING POLY-TETRAHYDROFURAN
14/028,791	2013-09-17	8,957,179	2015-02-17	SHAPE MEMORY POLYAMIDE AND METHOD OF PRODUCING SHAPE MEMORY POLYAMIDE FABRIC USING THE SAME
14/438,798	2015-04-27	9,938,642	2018-04-10	PREPARATION METHOD FOR MULTIFUNCTIONAL POLYESTER FIBRE
14/893,031	2015-11-20			SPANDEX FIBER HAVING IMPROVED ADHESIVE CHARACTERISTICS WITH HOT MELT ADHESIVE AND METHOD FOR MANUFACTURING SAME

14/893,033	2015-11-20			POLYURETHANE UREA ELASTIC YARN HAVING EXCELLENT UNIFORMITY AND THERMOSETTING PROPERTY
15/509,918	2017-03-09			THERMAL ENERGY STORAGE AND HEAT INSULATION POLYESTER FIBER, AND PREPARATION METHOD THEREFOR
15/516,538	2017-04-03			METHOD FOR MANUFACTURING FUNCTIONAL YARN HAVING DEODORIZATION PROPERTY AND QUICK SWEAT ABSORBENCY
15/518,991	2017-04-13			HEAT-STORING AND WARMTH- RETAINING FLEECE AND METHOD FOR MANUFACTURING SAME
15/723,049	2017-10-02			SPANDEX FIBER HAVING IMPROVED ADHESIVE CHARACTERISTICS WITH HOT MELT ADHESIVE AND METHOD FOR MANUFACTURING SAME
16/069,515	2018-07-11			SPANDEX HAVING IMPROVED UNWINDING PROPERTIES AND ENHANCED ADHESIVE PROPERTIES WITH HOT MELT ADHESIVE AND METHOD FOR PREPARING SAME