

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT7245354

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	PATENT RELEASE AND REASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
THE NORTHWESTERN MUTUAL LIFE INSURANCE COMPANY		03/25/2022
RECEIVING PARTY DATA		
Name:	SPARTAN ACQUISITION, LLC (F/K/A MILLIKEN INFRASTRUCTURE SOLUTIONS, LLC)	
Street Address:	1733 MAJESTIC DR., SUITE 101	
City:	LAFAYETTE	
State/Country:	COLORADO	
Postal Code:	80026	
PROPERTY NUMBERS Total: 19		
Property Type	Number	
Patent Number:	6455115	
Patent Number:	9139937	
Patent Number:	9663879	
Application Number:	15808098	
Application Number:	15672410	
Application Number:	15672422	
Patent Number:	9475216	
Patent Number:	9744555	
Patent Number:	9057473	
Patent Number:	9890894	
Patent Number:	6774066	
Patent Number:	8087431	
Patent Number:	10293550	
Patent Number:	9316339	
Patent Number:	9797540	
Patent Number:	9803791	
Application Number:	15078352	
Patent Number:	10240708	
Application Number:	15428254	

PATENT

CORRESPONDENCE DATA**Fax Number:** (202)408-3141

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.

Phone: 202-408-3121 X62348**Email:** jean.paterson@cscglobal.com**Correspondent Name:** CSC**Address Line 1:** 1090 VERMONT AVENUE NW, SUITE 430**Address Line 4:** WASHINGTON, D.C. 20005

NAME OF SUBMITTER:	JEAN PATERSON
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SIGNATURE:	/jep/
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DATE SIGNED:	03/25/2022
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Total Attachments: 4

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PATENT RELEASE AND REASSIGNMENT

THIS SECOND LIEN PATENT RELEASE AND REASSIGNMENT is made as of March 25, 2022, by The Northwestern Mutual Life Insurance Company, as Agent (in such capacity, "Agent"). Capitalized terms used but not defined herein shall have the same meanings assigned to such terms in the Security Agreement (as defined below).

W I T N E S S E T H:

WHEREAS, Spartan Acquisition LLC (f/k/a Milliken Infrastructure Solutions, LLC), a Delaware limited liability company (the "Grantor"), and Agent are parties to that certain Patent Security Agreement dated as of June 20, 2019 (the "Security Agreement"), pursuant to which Grantor granted to Agent a continuing security interest in and lien on the Patent Collateral (as defined below);

WHEREAS, the Security Agreement was recorded by the United States Patent and Trademark Office on June 20, 2019, at Reel 049542, Frame 0581;

WHEREAS, Grantor has requested that Agent release its security interest in and lien on the Patent Collateral and reassign any and all rights in the same to Grantor;

WHEREAS, Grantor has satisfied and fulfilled all of its obligations to release the Agent's security interest in and lien on the Patent Collateral.

NOW THEREFORE, for good and valuable consideration, receipt and sufficiency of which are hereby acknowledged:

1. Agent hereby releases, discharges, terminates and cancels its liens and security interest in all right, title and interest of the Grantor in, to and under the following:

(i) all of such Grantor's right, title and interest in, to and under its United States Patent applications and registrations, including, without limitation, those listed on Schedule I attached hereto (the "Patent Collateral");

(ii) all reissues, reexaminations, continuations, continuations-in-part, divisionals, renewals and extensions of the Patent Collateral;

(iii) all income, royalties, proceeds and Liabilities at any time due or payable or asserted under and with respect to Patent Collateral, including, without limitation, all causes of action and rights to sue and recover at law or in equity for any past, present and future infringement, misappropriation, dilution, violation or other impairment thereof.

2. Agent hereby reassigns, grants and conveys to Grantor, without any representation, recourse or undertaking by Agent, any and all of Agent's right, title and interest in and to the Patent Collateral.

[Signature Page Follows]

IN WITNESS WHEREOF, Agent has caused this Patent Release and Reassignment to be executed as of the day and year first above written.

**THE NORTHWESTERN MUTUAL LIFE
INSURANCE COMPANY, as Agent**

By: Northwestern Mutual Investment Management
Company, LLC, its investment adviser

By: 
Name: 
Title: Managing Director



SCHEDULE I

Patent Registrations & Applications

Case No.	Country	Application Serial No./ Filing Date or PCT Date	Patent No./ Issue Date	Title
5153	US	09/770,851 1/26/2001	6,455,115 9/24/2002	NOVEL TEXTILE REINFORCED THERMOPLASTIC OR THERMOSET PIPES
6736A	US	14/036,725 9/25/2013	9,139,937 9/22/2015	METHOD OF STRENGTHENING EXISTING STRUCTURES USING STRENGTHENING FABRIC HAVING SLITTING ZONES
6736B	US	14/831,188 8/20/2015	9,663,879 5/30/2017	METHOD OF STRENGTHENING EXISTING STRUCTURES USING STRENGTHENING FABRIC HAVING SLITTING ZONES
7035A	US	15/808,098 11/09/2017	N/A	METHOD OF STRENGTHENING EXISTING STRUCTURES
7099	US	15/672,410 8/09/2017	N/A	METHOD FOR STRENGTHENING A POLYETHYLENE TUBULAR MEMBER
7118	US	15/672,422 8/09/2017	N/A	STRENGTHENED POLYETHYLENE TUBULAR MEMBER
6884A	US	13/815,745 3/15/2013	9,475,216 10/25/2016	METHODS OF DISPERSING NANOPARTICLES INTO A MATRIX
6884B	US	15/277,202 9/27/2016	9,744,555 8/29/2017	METHODS OF DISPERSING NANOPARTICLES INTO A MATRIX
6885A	US	13/587,690 8/16/2012	9,057,473 6/16/2015	PIPE RESTRAINING REPAIR METHOD AND STRUCTURE FOR PIPING STRUCTURES USING COMPOSITES
6887C (CON)	US	14/120,891 7/09/2014	9,890,894 2/13/2018	COMPOSITE STRUCTURAL REINFORCEMENT REPAIR DEVICE (NANOWRAP)
6888A	US	09/594,621 6/15/2000	6,774,066* 8/10/2004	COMPOSITE STRUCTURAL REINFORCEMENT DEVICE
6897A	US	12/786,337 5/24/2010	8,087,431 1/03/2012	WEAR PAD
6952	US	14/881,618 10/13/2015	10,293,550 5/21/2019	PROCESS AND MACHINE FOR REINFORCING A THERMOPLASTIC PIPE
6954	US	14/668,096 3/25/2015	9,316,339 4/19/2016	METHOD AND APPARATUS FOR REPAIR OF POLYOLEFIN PIPES AND STRUCTURES
6954A (CON)	US	15/077,516 3/22/2016	9,797,540 10/24/2017	METHOD AND APPARATUS FOR REPAIR OF POLYOLEFIN PIPES AND STRUCTURES
6954C (CON)	US	15/078,046 3/23/2016	9,803,791 10/31/2017	METHOD AND APPARATUS FOR REPAIR OF POLYOLEFIN PIPES AND STRUCTURES
6954D (CIP)	US	15/078,352 3/23/2016	N/A	Method and System of Joining at Least Two Tubular Members

Case No.	Country	Application Serial No./ Filing Date or PCT Date	Patent No./ Issue Date	Title
7011	US	15/428,221 2/09/2017	10,240,708 3/26/2019	SYSTEM FOR APPLYING A WEB AROUND A CYLINDRICAL OBJECT WITH EVEN TENSION
7071	US	15/428,254 2/09/2017	N/A	SYSTEM FOR APPLYING A WEB AROUND A CYLINDRICAL OBJECT WITH EVEN TENSION

*According to the U.S. Patent & Trademark Office records, the Company has a joint ownership interest in U.S. Patent No. 6,774,066.

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