

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SPARTAN ACQUISITION LLC	01/15/2020
RECEIVING PARTY DATA	
Name:	CSC OPERATING COMPANY, LLC
Street Address:	621 LOCKHAVEN DRIVE
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77073
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	10344904
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ATTORNEY DOCKET NUMBER:	U3120-00183
NAME OF SUBMITTER:	JIAZHONG LUO
SIGNATURE:	/Jiazhong Luo/
DATE SIGNED:	01/17/2020
Total Attachments: 2	
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ASSIGNMENT

WHEREAS, **Spartan Acquisition LLC**, a limited liability company organized under the laws of the state of Delaware (US), having a principal place of business at 621 Lockhaven Drive, Houston, TX 77073, United States (hereinafter referred to as "ASSIGNOR"), having been assigned the entire right, title and interest in and to U.S. Patent Application No. 15/672,422 (filed August 9, 2017, issued as U.S. Patent No. 10, 344, 904) for the invention entitled STRENGTHENING A POLYETHYLENE TUBULAR MEMBER or improvements in and to said invention, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States or in any other country;

WHEREAS, **CSC Operating Company, LLC**, a limited liability company organized under the laws of the state of Delaware (US), having a principal place of business at 621 Lockhaven Drive, Houston, TX 77073, United States (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to the said invention or improvements and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States or in any other country; and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby freely acknowledged and intending to be legally bound, said ASSIGNOR has sold, assigned, transferred and set over and by these presents does hereby sell, assign, transfer and set over to said ASSIGNEE the entire right, title and interest in and to said invention or improvements and any and all continuations, divisions, and renewals of and substitutes for said invention, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States, and any reissue or reissues or extension or extensions of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, sale and transfer not been made.

AND the undersigned ASSIGNOR hereby covenants that it possesses the full right to convey the entire interest herein assigned, and that ASSIGNOR has not executed and will not execute any agreement in conflict herewith, and further covenants and agrees that it will, each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention or improvements, said application and said Letters Patent in said ASSIGNEE, its successors, assigns, nominees, or legal representatives, and agrees to communicate to said ASSIGNEE or to its nominees all known facts respecting said invention or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, and reissue applications, to make all rightful oaths, and generally to do everything possible to aid said ASSIGNEE, its successors, assigns, nominees and legal representatives to obtain and enforce for its own benefit proper patent protection for said invention or improvements in the United States and its possessions and territories and in all other countries;

AND ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue to said ASSIGNEE, the entire right, title and interest, in and to any and all Letters Patent for said invention or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, ASSIGNOR hereunto sets its hand and seal, intending to be legally bound.

Spartan Acquisition LLC.

Date: 1/15/2020

By: 
(Signature)

Name: Joseph R. Royer

Title: VP R&D