

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM596858

| | |
|------------------------------|-------------------|
| SUBMISSION TYPE: | RESUBMISSION |
| NATURE OF CONVEYANCE: | SECURITY INTEREST |
| RESUBMIT DOCUMENT ID: | 900564553 |

CONVEYING PARTY DATA

| Name | Formerly | Execution Date | Entity Type |
|---------------------|----------|----------------|-------------------------------------|
| NCS Multistage Inc. | | 08/06/2020 | Corporation: CANADA |
| NCS Multistage LLC | | 08/06/2020 | Limited Liability Company: TEXAS |

RECEIVING PARTY DATA

| | |
|------------------------|---------------------------------------|
| Name: | Wells Fargo Bank National Association |
| Street Address: | 1000 Louisiana Street, 9th floor |
| City: | Houston |
| State/Country: | TEXAS |
| Postal Code: | 77002 |
| Entity Type: | National Banking Association: TEXAS |

PROPERTY NUMBERS Total: 27

| Property Type | Number | Word Mark |
|----------------------|---------|--|
| Registration Number: | 5625568 | ANDERSON THOMPSON RESERVOIR STRATEGIES |
| Registration Number: | 4900077 | AIRLOCK |
| Registration Number: | 4995759 | BALLSHIFT |
| Registration Number: | 5357507 | BLUE ANCHOR SEAL |
| Registration Number: | 4266971 | LEAVE NOTHING BEHIND |
| Registration Number: | 4040166 | MONGOOSE FRAC |
| Registration Number: | 5304158 | MULTICYCLE |
| Registration Number: | 4310801 | MULTISTAGE UNLIMITED |
| Registration Number: | 5380900 | NCS |
| Registration Number: | 5080497 | NCS MULTISTAGE |
| Registration Number: | 5061844 | SHIFT FRAC CLOSE |
| Registration Number: | 4975908 | SIMPLESTART |
| Registration Number: | 5380871 | SPOTFRAC |
| Registration Number: | 4865211 | TRIDENT |
| Registration Number: | 4822973 | OST |
| Registration Number: | 4822975 | FFI |
| Registration Number: | 4823092 | NANO TRACER |

TRADEMARK

| Property Type | Number | Word Mark |
|----------------------|----------|------------------|
| Registration Number: | 5692489 | WST |
| Registration Number: | 5559819 | NCS MULTISTAGE |
| Registration Number: | 5841354 | SEQUENTIAL SWEEP |
| Serial Number: | 87843124 | VECTRASET |
| Serial Number: | 88305915 | GOPORT |
| Serial Number: | 88320134 | QUMULUS |
| Serial Number: | 88388372 | MBED |
| Serial Number: | 88639453 | FORCELLANT |
| Serial Number: | 88820919 | INNOVUS |
| Serial Number: | 88808293 | TERRUS |

CORRESPONDENCE DATA

Fax Number: 8004043970

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: 7132213306

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Correspondent Name: Constance Gall Rhebergen

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Address Line 4: Houston, TEXAS 77002

ATTORNEY DOCKET NUMBER: 0088599.000095

NAME OF SUBMITTER: Constance Gall Rhebergen

SIGNATURE: /Constance Gall Rhebergen/

DATE SIGNED: 09/10/2020

Total Attachments: 15

source=NC-US_Patent_and_Trademark_Security_Agreement#page1.tif
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**THIRD AMENDED AND RESTATED
PATENT AND TRADEMARK SECURITY AGREEMENT**

This Third Amended and Restated Patent and Trademark Security Agreement dated as of August 6, 2020 (this "Patent and Trademark Security Agreement"), is made by and among each Subsidiary of the Parent (as defined below) party hereto (each a "Grantor" and, collectively, the "Grantors"), and Wells Fargo Bank, National Association, as US administrative agent (the "US Administrative Agent") for the ratable benefit of the Secured Parties. Capitalized terms used herein and not otherwise defined herein shall have the meanings assigned to such terms in the Credit Agreement (as defined below) and the Pledge and Security Agreement (as defined below), as applicable.

Preliminary Statement

Pioneer Investment, Inc., a Delaware corporation (the "US Borrower") is a party to that certain Second Amended and Restated Credit Agreement, dated as of May 1, 2019 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "Existing Credit Agreement"), among NCS Multistage Holdings, Inc., a Delaware corporation (the "Parent"), the US Borrower, NCS Multistage Inc., a corporation amalgamated under the laws of the Province of Alberta, Canada (the "Canadian Borrower"; and together with the US Borrower, collectively, the "Borrowers"), Pioneer Intermediate, Inc., a Delaware corporation ("Intermediate Parent"), the lenders party thereto from time to time, Wells Fargo Bank, National Association, as the US administrative agent (in such capacity, the "US Administrative Agent"), as an issuing lender, and as swing line lender, and Wells Fargo Bank, National Association, Canadian Branch, as the Canadian administrative agent (in such capacity, the "Canadian Administrative Agent", and together with the US Administrative Agent, collectively, the "Administrative Agents").

In order to secure the obligations under the Existing Credit Agreement and the other Credit Documents (as defined in the Existing Credit Agreement), (i) NCS Multistage, LLC, a Texas limited liability company ("NCS US"), Spectrum Tracer Services, LLC, an Oklahoma limited liability company ("Spectrum"), and the other Grantors party thereto (together with NCS US and Spectrum, collectively, the "Pledge and Security Grantors") executed and delivered to the US Administrative Agent that certain Second Amended and Restated Pledge and Security Agreement, dated as of May 1, 2019 (as it has been amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "Pledge and Security Agreement"), and (ii) NCS US and Spectrum executed and delivered to the US Administrative Agent that certain Second Amended and Restated Patent and Trademark Security Agreement, dated as of May 1, 2019 (as it has been amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "Existing PTSA").

Pursuant to that certain Agreement and Plan of Merger dated December 16, 2019, Spectrum merged with and into NCS US.

Since the date of the Existing PTSA, the Canadian Borrower has come to own Patent and Trademark Collateral (as defined below) and desires to grant a security interest in such Patent and Trademark Collateral to the US Administrative Agent.

The parties to the Existing Credit Agreement have agreed to amend the Existing Credit Agreement pursuant to that certain Amendment No. 1 to Second Amended and Restated Credit Agreement, dated as of August 6, 2020 (the "Amendment"; and the Existing Credit Agreement, as amended by the Amendment and as further amended, restated, amended and restated, supplemented, or otherwise modified from time to time, the "Credit Agreement"), by and among the Parent, the US Borrower, the Canadian Borrower, Intermediate Parent, the lenders party thereto from time to time, (the

“Lenders”), Wells Fargo Bank, National Association, as US Administrative Agent, issuing lender and swing line lender, and Wells Fargo Bank, National Association, Canadian Branch, as Canadian Administrative Agent.

It is a condition precedent to the effectiveness of the Amendment that each Grantor execute and deliver this Patent and Trademark Security Agreement in order to amend and restate the Existing PTSA.

It is in the best interests of each Grantor to execute this Patent and Trademark Security Agreement inasmuch as each Grantor will derive substantial direct and indirect benefits from (i) the transactions contemplated by the Credit Agreement, (ii) the Hedging Arrangements entered into by the Borrowers or any other Grantor with a Swap Counterparty, and (iii) the Banking Services provided by any Banking Services Provider to any Grantor, and each Grantor is willing to execute, deliver and perform its obligations under this Patent and Trademark Security Agreement to secure the Secured Obligations.

The Grantors own the patents, patent registrations, patent applications, trademarks, trademark registrations, and trademark applications listed on Schedule I (annexed hereto and by this reference incorporated herein) unless otherwise noted on Schedule I.

Pursuant to the terms of the Pledge and Security Agreement, the Pledge and Security Grantors have granted a security interest in the Collateral, including, without limitation, all right, title and interest of the Grantors in, to, and under all now owned and hereafter acquired Patent Collateral and Trademark Collateral, set forth on Schedule I attached hereto, to secure the payment of all Secured Obligations.

Agreement

Section 1.1 NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor hereby grants to the US Administrative Agent for the ratable benefit of the Secured Parties a security interest in all its right, title, and interest in, to, and under the following, whether presently existing or hereafter created or acquired (the “Patent and Trademark Collateral”):

(a) (A) all inventions and discoveries, whether patentable or not, all letters patent and applications for letters patent throughout the world, including without limitation those patents referred to in Schedule I, and any patent applications in preparation for filing, (B) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the items described in clause (A), (C) all patent licenses, and other agreements providing any Grantor with the right to use any items of the type referred to in clauses (A) and (B) above, and (D) all proceeds of, and rights associated with, the foregoing (including licenses, royalties income, payments, claims, damages and proceeds of infringement suits), the right to sue third parties for past, present or future infringements of any patent or patent application, and for breach or enforcement of any patent license;

(b) (A) (i) all trademarks, trade names, corporate names, company names, business names, fictitious business names, trade styles, service marks, certification marks, collective marks, logos and other source or business identifiers, now existing or hereafter adopted or acquired, including without limitation those trademarks referred to in Schedule I, whether currently in use or not, all registrations and recordings thereof and all applications in connection therewith, whether pending or in preparation for filing, including registrations, recordings and applications in the United States Patent and Trademark Office or in any office or agency of the United States of America, or any State thereof or any other country or political subdivision thereof or otherwise, and all common-law rights relating to the foregoing, and (ii) the right to obtain all reissues, extensions or renewals of the foregoing (collectively referred to as

the "Trademark"), (B) all trademark licenses for the grant by or to any Grantor of any right to use any trademark, (C) all of the goodwill of the business connected with the use of, and symbolized by the items described in, clause (A), and to the extent applicable clause (B), (D) the right to sue third parties for past, present and future infringements of any Trademark Collateral described in clause (A) and, to the extent applicable, clause (B), and (E) all Proceeds of, and rights associated with, the foregoing, including any claim by any Grantor against third parties for past, present or future infringement or dilution of any Trademark, Trademark registration or Trademark license, or for any injury to the goodwill associated with the use of any such Trademark or for breach or enforcement of any Trademark license and all rights corresponding thereto throughout the world; and

(c) all rights with respect to the foregoing, including the right to sue for past, present and future infringements of any of the foregoing, all rights corresponding thereto, and all proceeds of the foregoing, including licenses, royalties, income, payments, claims, damages and proceeds of suit, which are owned or licensed by a Grantor.

Section 1.2 Notwithstanding anything to the contrary contained in Section 1.1 and other than to the extent set forth in this Section 1.2, the Excluded Collateral, including, without limitation, all United States intent to use trademark applications with respect to which the grant of a security interest therein would impair the validity or enforceability of said intent to use trademark application under US federal or Canadian law, shall be excluded from the lien and security interest granted hereunder; provided, however, that (x) the exclusion from the Lien and security interest granted by any Grantor hereunder of any Excluded Collateral shall not limit, restrict or impair the grant by such Grantor of the Lien and security interest in any accounts or receivables arising under any such Excluded Collateral or any payments due or to become due thereunder unless the conditions in effect which qualify such Property as Excluded Collateral applies with respect to such accounts and receivables and (y) any proceeds received by any Grantor from the sale, transfer or other disposition of Excluded Collateral shall constitute Collateral unless the conditions in effect which qualify such Property as an Excluded Collateral applies with respect to such proceeds.

Section 1.3 This Patent and Trademark Security Agreement has been executed and delivered by the Grantors for the purpose of recording the security interest granted hereunder with the United States Patent and Trademark Office. This security interest is granted in conjunction with the security interests granted to the US Administrative Agent for the ratable benefit of the Secured Parties pursuant to the Pledge and Security Agreement. The Grantors hereby acknowledge and affirm that the rights and remedies of the Secured Parties with respect to the security interest in the Patent and Trademark Collateral made and granted hereby are more fully set forth in the Pledge and Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein.

Section 1.4 The Grantors authorize and request that the United States Patent and Trademark Office and any other applicable government officer record this Patent and Trademark Security Agreement.

Section 1.5 This Patent and Trademark Security Agreement is an amendment and restatement of the Existing PTSA and supersedes the Existing PTSA in its entirety; provided, however, that (i) the execution and delivery of this Patent and Trademark Security Agreement shall not effect a novation of the Existing PTSA but shall be, to the fullest extent applicable, a modification, renewal, confirmation and extension of such Existing PTSA, and (ii) the Liens, security interests and other interests in the collateral as described in the Pledge and Security Agreement and the Existing PTSA (the "Original Collateral") granted under the Pledge and Security Agreement and the Existing PTSA are and shall remain legal, valid, binding and enforceable with regard to such Original Collateral. Each Grantor party to the Existing PTSA hereby acknowledges and confirms the continuing existence and effectiveness of such Liens,


security interests and other interests in the Original Collateral granted under the Pledge and Security Agreement and Existing PTSA, and further agrees that the execution and delivery of this Patent and Trademark Security Agreement and the other Credit Documents shall not in any way release, diminish, impair, reduce or otherwise affect such Liens, security interests and other interests in the Original Collateral granted under the Pledge and Security Agreement or Existing PTSA.

[Remainder of this page intentionally left blank. Signature pages to follow.]

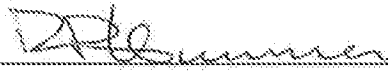
IN WITNESS WHEREOF, the US Administrative Agent and each Grantor has caused this Patent and Trademark Security Agreement to be duly executed by its officer duly authorized as of the date first above written.

GRANTORS:

NCS MULTISTAGE, LLC

By: 
Name: Ryan Hummer
Title: Chief Financial Officer

NCS MULTISTAGE INC.

By: 
Name: Ryan Hummer
Title: Chief Financial Officer


US ADMINISTRATIVE AGENT:

WELLS FARGO BANK, NATIONAL ASSOCIATION

By: _____

Name: Corbin Womac

Title: Director

A handwritten signature in black ink, appearing to read 'C. Womac', is written over the signature line. The signature is fluid and cursive.

Schedule I Item A-Patent Collateral
Item B-Trademark Collateral

Schedule I

Item A – Patent Collateral

Item A. Patent Collateral.

U.S. Patents and Patent Applications

| Patent: Patent ID | Country | Application Number | Filing Date | Publication Number | Issue Date | Patent Number | All Inventors | Current Owner unused | Status (Prosecution) | Title |
|----------------------|---------|-----------------------|----------------|-----------------------|------------|------------------|--|-----------------------------|-------------------------|-------------------|
| P101US1 | US | 13/930,683 | 6/28/2013 | 20140216756 | 3/14/2017 | 9,593,542 | Stromquist, Marty; Ravensbergen, John; Devlin, David; Braden, Douglas; Harris, Travis; Getzlaf, Don | NCS Multistage Inc. (CA) | Issued | Casing Float Tool |
| P101US2 | US | 15/421,222 | 1/31/2017 | 20170138153 | | | Ravensbergen, John; Devlin, David; Harris, Travis; Stromquist, Marty; Getzlaf, Don; Braden, Douglas | NCS Multistage Inc. (CA) | Allowed | Casing Float Tool |
| P101US3 | US | 15/919,370 | 3/13/2018 | 20180202260 | 11/5/2019 | 10,465,445 | Getzlaf, Don; Stromquist, Marty; Ravensbergen, John; Devlin, David; Braden, Douglas; Harris, Travis | NCS Multistage Inc. (CA) | Issued | Casing Float Tool |
| P101USS | US | 16/851,667 | 4/17/2020 | | | | Braden, Douglas; Harris, Travis; Ravensbergen, John; Stromquist, Marty; Getzlaf, Don | NCS Multistage Inc. (CA) | Filed | Casing Float Tool |

| Patent: Patent ID | Country | Application Number | Filing Date | Publication Number | Issue Date | Patent Number | All Inventors | Current Owner - unused | Status (Prosecution) | Title |
|----------------------|---------|-----------------------|----------------|-----------------------|------------|------------------|--|-----------------------------|-------------------------|--|
| P101US6 | US | 16/824,596 | 3/19/2020 | | | | Ravensbergen, John; Devlin, David; Harris, Travis; Stromquist, Marty; Getzlaf, Don; Braden, Douglas | NCS Multistage Inc. (CA) | Filed | Casing Float Tool |
| P103US1 | US | 14/830,507 | 8/19/2015 | 20160076335 | 5/29/2018 | 9,982,512 | Getzlaf, Don; Ravensbergen, John | NCS Multistage Inc. (CA) | Issued | Apparatus, System and Method for treating a reservoir using re-closable sleeves |
| P104US1 | US | 13/709,908 | 12/10/2012 | 20130248181 | 1/13/2015 | 8,931,559 | Ravensbergen, John; Laun, Lyle; Stromquist, Marty; Getzlaf, Don; Schmelzl, Eric | NCS Multistage Inc. (CA) | Issued | Downhole Isolation and Depressurization Tool |
| P104US2 | US | 14/559,567 | 12/3/2014 | 20150075809 | 9/22/2015 | 9,140,098 | Getzlaf, Don; Stromquist, Marty; Ravensbergen, John; Laun, Lyle; Schmelzl, Eric | NCS Multistage Inc. (CA) | Issued | Downhole Isolation and Depressurization Tool |
| P109US1 | US | 14/867,726 | 9/28/2015 | 20160090803 | 12/11/2018 | 10,151,162 | Getzlaf, Don; Ravensbergen, John | NCS Multistage Inc. (CA) | Issued | Hydraulic Locator |
| P110US1 | US | 15/348,867 | 11/10/2016 | 20170183929 | | | Verries, Michael; Montero, Juan | NCS Multistage Inc. (CA) | Allowed | Apparatus and Methods for Locating Within a Wellbore |
| P113US1 | US | 12/708,709 | 2/19/2010 | 20110198082 | 7/23/2013 | 8,490,702 | Getzlaf, Don; Nipper, Robert; Stromquist, Marty | NCS Multistage Inc. (CA) | Issued | Downhole Tool Assembly with Debris Relief, and Method for Using Same |
| P113US2 | US | 13/919,821 | 6/17/2013 | 20130299173 | 5/10/2016 | 9,334,714 | Getzlaf, Don; Stromquist, Marty; Nipper, Robert | NCS Multistage Inc. (CA) | Issued | Downhole Assembly with Debris Relief, and Method for Using Same |
| P114US1 | US | 14/978,102 | 12/22/2015 | 20160273319 | 1/15/2019 | 10180046 | Getzlaf, Don; Verries, Michael; Ravensbergen, John; Brunskill, Doug | NCS Multistage Inc. (CA) | Issued | Downhole Flow Control Apparatus with Screen |

| Patent: Patent ID | Country | Application Number | Filing Date | Publication Number | Issue Date | Patent Number | All Inventors | Current Owner - unused | Status (Prosecution) | Title |
|----------------------|---------|-----------------------|----------------|-----------------------|------------|------------------|--|-----------------------------|-------------------------|---|
| P115US1 | US | 14/867,753 | 9/28/2015 | 20160090814 | 5/15/2018 | 9,970,262 | Ravensbergen, John; Brunskill, Doug; Weries, Michael; Getzlaf, Don | NCS Multistage Inc. (CA) | Issued | Downhole Valve Apparatus |
| P116US1 | US | 15/136,000 | 4/22/2016 | 20160341004 | 12/25/2018 | 10,161,220 | Getzlaf, Don; Ravensbergen, John; Gillis, Brock; Johnson, Timothy | NCS Multistage Inc. (CA) | Issued | Plug and Shift - Plug- Actuated Flow Control Member |
| P116US2 | US | 16/179,471 | 11/22/2018 | 20190120017 | | | Gillis, Brock; Ravensbergen, John; Getzlaf, Don; Johnson, Timothy | NCS Multistage Inc. (CA) | Allowed | Plug and Shift - Plug- Actuated Flow Control Member |
| P117US1 | US | 13/078,584 | 4/1/2011 | 20120055671 | 6/19/2012 | 8,201,631 | Getzlaf, Don; Stromquist, Marty Ravensbergen, John; Gillis, Brock; Weries, Michael; Getzlaf, Don | NCS Multistage Inc. (CA) | Issued | Multi-Functional Isolation Tool and Method of Use |
| P118US1 | US | 15/151,799 | 5/11/2016 | 20160333679 | 4/7/2020 | 10,612,353 | Ravensbergen, John; Gillis, Brock; Weries, Michael; Getzlaf, Don | NCS Multistage Inc. (CA) | Issued | Downhole Flow Control Apparatus |
| P118US2 | US | 16/802,809 | 5/11/2016 | US 20200190954 | | | Ravensbergen, John; Gillis, Brock; Weries, Michael; Getzlaf, Don | NCS Multistage Inc. (CA) | Published | Downhole Flow Control Apparatus |
| P119US1 | US | 14/978,483 | 12/22/2015 | 20160215590 | 12/25/2018 | 10,161,207 | Ravensbergen, John; Getzlaf, Don | NCS Multistage Inc. (CA) | Issued | Apparatus, System and Method for treating a Reservoir Using Re- Closeables Sleeves and Novel Use of a Shifting Tool |
| P120US1 | US | 14/982,820 | 12/29/2015 | 20160251939 | 7/24/2018 | 10,030,479 | Johnson, Timothy; Getzlaf, Don | NCS Multistage Inc. (CA) | Issued | Tool for Opening and Closing Sleeves within a Wellbore |
| P120US2 | US | 16/019,350 | 6/26/2018 | 20190003285A1 | | | Johnson, Timothy; Getzlaf, Don | NCS Multistage Inc. (CA) | Allowed | Apparatus and Method for treating a reservoir using re-closeable sleeves, and actuating the sleeves with bi-directional slips |
| P121US1 | US | 13/100,796 | 5/4/2011 | 20120090847 | 8/5/2014 | 8,794,331 | Stromquist, Marty; Getzlaf, Don; Nipper, Robert; Williams, Timothy | NCS Multistage Inc. (CA) | Issued | Tools and Methods for Use in Completion of a Wellbore |

| Patent: Patent ID | Country | Application Number | Filing Date | Publication Number | Issue Date | Patent Number | All Inventors | Current Owner - unused | Status (Prosecution) | Title |
|----------------------|---------|-----------------------|----------------|-----------------------|------------|------------------|--|------------------------------|-------------------------|--|
| P121US2 | US | 14/317,975 | 6/27/2014 | 20140305648 | 8/29/2017 | 9,745,826 | Nipper, Robert; Willems, Timothy; Getzlaf, Don; Stromquist, Marty | NCS Multistage Inc. (CA) | Issued | Tools and Methods for Use in Completion of a Wellbore |
| P121US6 | US | 15/652,750 | 7/18/2017 | 20170314364 | | | Getzlaf, Don; Stromquist, Marty; Nipper, Robert; Willems, Timothy | NCS Multistage Inc. (CA) | Published | Tools and Methods for Use in Completion of a Wellbore |
| P121US8 | US | 16/399,489 | 4/30/2019 | 20190353006 | | | Getzlaf, Don; Willems, Timothy; Stromquist, Marty; Nipper, Robert | NCS Multistage Inc. (CA) | Published | Tools and Methods for Use in Completion of a Wellbore |
| P123US1 | US | 15/068,282 | 3/11/2016 | 20160265310 | 9/4/2018 | 10,066,467 | Getzlaf, Don; Ravensbergen, John; Gillis, Brock | NCS Multistage Inc. (CA) | Issued | Electrically Actuated Downhole Flow Control Apparatus |
| P123US2 | US | 16/051,391 | 7/31/2018 | 20180334889 | | | Getzlaf, Don; Gillis, Brock; Ravensbergen, John | NCS Multistage Inc. (CA) | Allowed | Electrically Actuated Downhole Flow Control Apparatus |
| P124US3 | US | 14/855,089 | 9/15/2015 | 20160010429 | 3/12/2019 | 10227845 | Willems, Timothy; Nipper, Robert; Getzlaf, Don; Stromquist, Marty | NCS Multistage Inc. (CA) | Issued | Tools and Methods for Use in Completion of a Wellbore |
| P124US7 | US | 13/612,185 | 9/12/2012 | 20130068451 | 1/12/2016 | 9,234,412 | Willems, Timothy; Nipper, Robert; Getzlaf, Don; Stromquist, Marty | NCS Multistage Inc. (CA) | Issued | Tools and Methods for Use in Completion of a Wellbore |
| P124US8 | US | 16/451,604 | 6/25/2019 | 20190316441 | | | Getzlaf, Don; Stromquist, Marty; Nipper, Robert; Willems, Timothy | NCS Multistage Inc. (CA) | Published | TOOLS AND METHODS FOR USE IN COMPLETION OF A WELLBORE |
| P127US1 | US | 15/286,306 | 10/5/2016 | 20170096875 | 2/19/2019 | 10,208,564 | Ravensbergen, John; Montero, Juan | NCS Multistage, LLC. (US) | Issued | Tubular Airlock Assembly |
| P128US1 | US | 15/494,617 | 4/24/2017 | 20170306722 | 6/23/2020 | 10,689,950 | Johnson, Timothy; Ravensbergen, John | NCS Multistage Inc. (CA) | Issued | Apparatus, systems and methods for controlling flow communication with a subterranean formation |

| Patent ID | Country | Application Number | Filing Date | Publication Number | Issue Date | Patent Number | All Inventors | Current Owner unused | Status (Prosecution) | Title |
|-----------|---------|--------------------|-------------|--------------------|------------|---------------|---|--------------------------|----------------------|--|
| P129US1 | US | 15/348,398 | 11/10/2016 | 20170159398 | 6/25/2019 | 10,329,867 | Getzlaf, Don; Johnson, Timothy; Gillis, Brock | NCS Multistage Inc. (CA) | Issued | Apparatuses and Methods for Enabling Multistage Hydraulic Fracturing |
| P129US2 | US | 16/406,800 | 5/8/2019 | 20200131878 | | | Getzlaf, Don; Johnson, Timothy; Gillis, Brock Stromquist, Marty; Ravensbergen, John; Laun, Lyle; Wertes, Michael; Standen, Rob; Johnson, Timothy | NCS Multistage Inc. (CA) | Published | Apparatuses and Methods for Enabling Multistage Hydraulic Fracturing |
| P132US1 | US | 15/430,645 | 2/13/2017 | 20170247965 | 10/1/2019 | 10,428,613 | Marty; Ravensbergen, John; Laun, Lyle; Wertes, Michael; Standen, Rob; Johnson, Timothy | NCS Multistage Inc. (CA) | Issued | Wellbore Characteristic Measurement Assembly |
| P134US1 | US | 15/586,975 | 5/4/2017 | 20180171734 | 10/29/2019 | 10,458,195 | Wertes, Michael; Johnson, Timothy | NCS Multistage Inc. (CA) | Issued | Apparatuses and Methods for Locating and Shifting a Downhole Flow Control Member |
| P134US3 | US | 16/574842 | 9/18/2019 | US20200063513 | | | Wertes, Michael; Johnson, Timothy | NCS Multistage Inc. (CA) | Published | Apparatuses and Methods for Locating and Shifting a Downhole Flow Control Member |
| P135US1 | US | 16/333845 | 9/15/2017 | US-2019-0264533 | | | Wertes, Michael; Whyte, Rio; Ellis, Dustin | NCS Multistage Inc. (CA) | Published | Wellbore Flow Control Apparatus with Solids Control |
| P137US1 | US | 16/491966 | 3/8/2018 | | | | Wages, David; Wertes, Michael; Whyte, Rio | NCS Multistage Inc. (CA) | Filed | A Process for Producing Hydrocarbon Material from a Subterranean Formation while Employing Solids Control |
| P139US1 | US | 15/911,871 | 3/5/2018 | 20180252079 | | | Laun, Lyle; Ravensbergen, John; Stromquist, Marty; Johnson, Timothy | NCS Multistage Inc. (CA) | Published | Apparatuses, Systems and Methods for Hydrocarbon Material from a Subterranean formation using a displacement process |
| P140US1 | US | 16/485485 | 2/13/2018 | | | | Laun, Lyle; Tajallipour, Ramn; Wertes, Michael; Vakulin, Roman | NCS Multistage Inc. (CA) | Filed | System and Method for Wireless Control of Well Bore Equipment |

| Patent: Patent ID | Country | Application Number | Filing Date | Publication Number | Issue Date | Patent Number | All Inventors | Current Owner - unused | Status (Prosecution) | Title |
|----------------------|---------|-----------------------|----------------|-----------------------|------------|------------------|---|---|-------------------------|--|
| P142US1 | US | 16/466,191 | 12/2/2017 | US20200063538 | | | Brunskill, Doug; Maezel, Jason; Whyte, Rio | NCS Multistage Inc. (CA) | Published | Apparatus, Systems and Methods for Isolation During Multistage Hydraulic Fracturing with Flow Control Member Having Impedance Feature |
| P143US1 | US | 16/345647 | 10/27/2017 | US 20190284904 | | | Gillis, Brock; Johnson, Timothy; Tajallipour, Ramin; Werries, Michael | NCS Multistage Inc. (CA) | Published | Apparatus, Systems and Methods for Isolation During Multistage Hydraulic Fracturing |
| P144US1 | US | 15/982,678 | 5/17/2018 | 20180334871 | | | Cooper, Kurt | NCS Multistage Inc. (CA) | Allowed | Apparatus, Systems and Methods for Mitigating Solids Accumulation Within the Wellbore During Stimulation of Subterranean Formations |
| P145US1 | US | 15/902,671 | 2/22/2018 | 20180238140 | | | Ravensbergen, John | NCS Multistage Inc. (CA) | Allowed | Apparatuses, Systems and Methods for Treating and Producing from Multiple Zones in a Subterranean Formation |
| P146US1 | US | 16/491981 | 3/6/2018 | | | | Werries, Michael; Johnson, Timothy; Laun, Lyle; Ravensbergen, John; Montero, Juan; Gillis, Brock | NCS Multistage Inc. (CA) | Filed | Apparatus, Systems and Methods for Producing Hydrocarbon Material from a Subterranean Formation |
| P148US1 | US | 14/072,556 | 11/5/2013 | 20150323515 | 3/14/2017 | 9,594,070 | Rule, Jeffrey; Faurot, Steve | NCS Multistage, LLC, successor by statutory merger to Spectrum Tracer Services, LLC (US) | Issued | Method using halogenated benzotic acid esters and aldehydes for hydraulic fracturing and for tracing petroleum production |
| P149US1 | US | 15/133,465 | 4/20/2016 | 2017306217 | 7/10/2018 | 10,017,684 | Rule, Jeffrey; Faurot, Steve | NCS Multistage, LLC, successor by statutory merger to Spectrum Tracer Services, LLC (US) | Issued | Methods and compositions for hydraulic fracturing and for tracing formation water |

| Patent: Patent ID | Country | Application Number | Filing Date | Publication Number | Issue Date | Patent Number | All Inventors | Current Owner unused | Status (Prosecution) | Title |
|-------------------|---------|--------------------|-------------|--------------------|------------|---------------|---|--|----------------------|---|
| P149US2 | US | 16/002,215 | 6/7/2018 | 20180282612 | | | Rule, Jeffrey; Faurot, Steve | NCS Multistage, LLC, successor by statutory merger to Spectrum Tracer Services, LLC (US) | Published | Methods and compositions for hydraulic fracturing and for tracing formation water |
| P154US1 | US | 16/262,165 | 1/30/2019 | 20190235007 | | | Williamson, Patrick; Tajallipour, Ramin | NCS Multistage Inc. (CA) | Published | Method of Fault Detection and Recovery in a Tubing String Located in a Hydrocarbon Well, and Apparatus for Same |
| P165USPR2 | US | 62/946,155 | 12/10/2019 | | | | Mberia, Stanley; Brunskill, Doug; Werties, Michael; Gillis, Brock; Tajallipour, Ramin; Ravensbergen, John; Laun, Lyle; Vakulin, Roman | NCS Multistage Inc. (CA) | Filed | DOWNHOLE FLOW CONTROLLER |
| P166US1 | US | 16/557,885 | 8/30/2019 | US 2020/0190942 A1 | | | King, James; Mickey, Clint; Gillis, Brock; Williamson, Patrick | NCS Multistage Inc. (CA) | Published | Apparatus, systems and methods for actuation of downhole tools |
| P167US1 | US | 16/713,606 | 12/13/2019 | US 2020/0190928 A1 | | | Whyte, Rio; Brunskill, Doug; Wages, David; Cooper, Kurt | NCS Multistage Inc. (CA) | Published | Rescue Dart for Pre-Set Frac Plug and Related Methods |
| P169USPR1 | US | 62/954,222 | 12/27/2019 | | | | Johnson, Timothy; Laun, Lyle; Werties, Michael | NCS Multistage Inc. (CA) | Filed | Systems and Methods for Producing Hydrocarbon Material from Unconsolidated Formations IN SITU INJECTION OR PRODUCTION VIA A WELL USING SELECTIVE OPERATION OF MULTI-VALVE ASSEMBLIES WITH CHOKED CONFIGURATIONS |
| P172US1 | US | 16/858,418 | 4/24/2020 | | | | MacPhail, Warren; Powell, Jesse | NCS Multistage Inc. (CA) | Filed | Asynchronous Frac-to-Frac Operations for Hydrocarbon Recovery |
| P174USPR1 | US | 62/951,307 | 12/20/2019 | | | | Stannus, Daniel; Krishna, Srinivas; Kalantari, Masoud; Johnson, Timothy | NCS Multistage Inc. (CA) | Filed | Rupture Disc Assembly |

Item B - Trademark Collateral

U.S. Trademarks and Trademark Applications

| Trademark ID | Mark Name | Application Number | Application Date | Registration Number | Registration Date | Legal Owner | High-Level Status |
|---------------------|--|---------------------------|-------------------------|----------------------------|--------------------------|---------------------------|--------------------------|
| T201US1 | Anderson Reservoir Strategies Thompson | 87/689664 | 11/17/2017 | 5625568 | 12/11/2018 | NCS Multistage, LLC. (US) | In Force |
| T203US | Airlock | 86/041178 | 8/19/2013 | 4900077 | 2/16/2016 | NCS Multistage, LLC. (US) | In Force |
| T205US | Ballshift | 86/369760 | 8/18/2014 | 4995759 | 7/12/2016 | NCS Multistage, LLC. (US) | In Force |
| T207US | Blue Anchor Seal | 86/943058 | 3/16/2016 | 5357507 | 12/19/2017 | NCS Multistage, LLC. (US) | In Force |
| T215US | Leave Nothing Behind | 85/489730 | 12/7/2011 | 4266971 | 1/1/2013 | NCS Multistage, LLC. (US) | In Force |
| T220US | Mongoose Frac | 77/922511 | 1/28/2010 | 4040166 | 10/18/2011 | NCS Multistage, LLC. (US) | In Force |
| T221US | MultiCycle | 86/776940 | 10/2/2015 | 5,304,158 | 10/10/2017 | NCS Multistage, LLC. (US) | In Force |
| T223US | Multistage Unlimited | 85/489636 | 12/7/2011 | 4310801 | 3/26/2018 | NCS Multistage, LLC. (US) | In Force |
| T225US | NCS (word mark) | 86/369834 | 8/18/2014 | 5380900 | 1/16/2018 | NCS Multistage, LLC. (US) | In Force |
| T227US | NCS Multistage (green logo) | 86/775710 | 10/1/2015 | 5080497 | 11/15/2016 | NCS Multistage, LLC. (US) | In Force |
| T229US | Shift Frac Close | 86/528820 | 2/9/2015 | 5061844 | 10/18/2016 | NCS Multistage, LLC. (US) | In Force |
| T231US | SimpleStart | 86/369865 | 8/18/2014 | 4975908 | 6/14/2016 | NCS Multistage, LLC. (US) | In Force |
| T233US | SpotFrac | 86/292232 | 5/27/2014 | 5380871 | 1/16/2018 | NCS Multistage, LLC. (US) | In Force |
| T236US | Trident | 86/037608 | 8/14/2013 | 4865211 | 12/8/2015 | NCS Multistage, LLC. (US) | In Force |
| T247US | OST | 86/187783 | 2/7/2014 | 4822973 | 9/29/2015 | NCS Multistage, LLC. (US) | In Force |

| Trademark ID | Mark Name | Application Number | Application Date | Registration Number | Registration Date | Legal Owner | High-Level Status |
|--------------|--|--------------------|------------------|---------------------|-------------------|----------------------------|-------------------|
| T201US1 | Anderson Thompson Reservoir Strategies | 87/689664 | 11/17/2017 | 5625568 | 12/11/2018 | NCS Multistage*, LLC. (US) | In Force |
| T203US | AirLock | 86/041178 | 8/19/2013 | 4900077 | 2/16/2016 | NCS Multistage*, LLC. (US) | In Force |
| T205US | BallShift | 86/369760 | 8/18/2014 | 4995759 | 7/12/2016 | NCS Multistage*, LLC. (US) | In Force |
| T207US | Blue Anchor Seal | 86/943058 | 3/16/2016 | 5357507 | 12/19/2017 | NCS Multistage*, LLC. (US) | In Force |
| T215US | Leave Nothing Behind | 85/489730 | 12/7/2011 | 4266971 | 1/1/2013 | NCS Multistage*, LLC. (US) | In Force |
| T248US | FPI | 86/187869 | 2/7/2014 | 4822975 | 9/29/2015 | NCS Multistage*, LLC. (US) | In Force |
| T249US | NANO TRACER | 86/259057 | 4/22/2014 | 4823092 | 9/29/2015 | NCS Multistage*, LLC. (US) | In Force |
| T251US | WST | 87/477465 | 6/6/2017 | 5,692,489 | 3/5/2019 | NCS Multistage*, LLC. (US) | In Force |
| T254US | NCS Multistage (word mark) | 87/744676 | 1/5/2018 | 5559819 | 9/11/2018 | NCS Multistage*, LLC. (US) | In Force |
| T257US | Sequential Sweep | 87/815251 | 2/28/2018 | 5841354 | 8/20/2019 | NCS Multistage*, LLC. (US) | In Force |
| T258US | VECTRASET (word mark) | 87/843124 | 3/21/2018 | | | NCS Multistage*, LLC. (US) | Pending |
| T262US | GoPort | 88/305915 | 2/18/2019 | | | NCS Multistage*, LLC. (US) | Pending |
| T270US | QUMULUS | 88/320134 | 2/28/2019 | | | NCS Multistage*, LLC. (US) | Pending |
| T271US | MBED | 88/388372 | 4/16/2019 | | | NCS Multistage*, LLC. (US) | Pending |
| T275US | FORCELLANT | 88/639453 | 10/2/2019 | | | NCS Multistage*, LLC. (US) | Pending |
| T279US | INNOVUS | 88/820919 | 3/4/2020 | | | NCS Multistage*, LLC. (US) | Pending |
| T280US | TERRUS | 88/808293 | 2/24/2020 | | | NCS Multistage*, LLC. (US) | Pending |

TRADEMARK

REEL: 007031 FRAME: 0984

RECORDED: 08/17/2020