

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

Assignment ID: PATI884683

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
KLX ENERGY SERVICES LLC		03/12/2025
<b>RECEIVING PARTY DATA</b>		
<b>Company Name:</b>	U.S. BANK TRUST COMPANY, NATIONAL ASSOCIATION	
<b>Street Address:</b>	333 Commerce Street, Suite 900	
<b>City:</b>	Nashville	
<b>State/Country:</b>	TENNESSEE	
<b>Postal Code:</b>	37201	
<b>PROPERTY NUMBERS Total: 27</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	18375737	
<b>Application Number:</b>	18375811	
<b>Patent Number:</b>	10655616	
<b>Patent Number:</b>	10161208	
<b>Patent Number:</b>	10208543	
<b>Patent Number:</b>	9464484	
<b>Patent Number:</b>	9879495	
<b>Patent Number:</b>	9890601	
<b>Patent Number:</b>	9988859	
<b>Patent Number:</b>	10961994	
<b>Patent Number:</b>	11788383	
<b>Patent Number:</b>	9366100	
<b>Patent Number:</b>	9175516	
<b>Patent Number:</b>	9951582	
<b>Patent Number:</b>	9771762	
<b>Patent Number:</b>	10865623	
<b>Patent Number:</b>	10954730	
<b>Patent Number:</b>	10465510	
<b>Patent Number:</b>	D831077	
<b>Patent Number:</b>	10519753	

Property Type	Number
Patent Number:	10400540
Patent Number:	11639641
Patent Number:	12252948
Patent Number:	8701797
Patent Number:	11187216
Patent Number:	12152464
Patent Number:	D973844

**CORRESPONDENCE DATA**

**Fax Number:** 7137582346

*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:** 7137582305

**Email:** cclayden@velaw.com

**Correspondent Name:** Christina Clayden

**Address Line 1:** 845 Texas Avenue, Suite 4700

**Address Line 2:** Vinson & Elkins L.L.P.

**Address Line 4:** Houston, TEXAS 77002

<b>ATTORNEY DOCKET NUMBER:</b>	QUI820.67001
<b>NAME OF SUBMITTER:</b>	Christina Clayden
<b>SIGNATURE:</b>	/Christina Clayden/
<b>DATE SIGNED:</b>	03/13/2025

**Total Attachments: 6**

source=06. Patent Security Agreement#page1.tiff

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**SHORT FORM  
PATENT SECURITY AGREEMENT**

This PATENT SECURITY AGREEMENT (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Patent Security Agreement”) dated March 12, 2025, is made by **KLX ENERGY SERVICES LLC**, a Delaware limited liability company (the “Pledgor”) in favor of **U.S. BANK TRUST COMPANY, NATIONAL ASSOCIATION**, as collateral agent (the “Collateral Agent”) for the Secured Parties. Capitalized terms used herein and not otherwise defined herein shall have the meanings assigned to such terms in the Purchase Agreement or in the Indenture, or, if not defined therein, in the Pledge and Security Agreement referred to therein.

WHEREAS, KLX Energy Services Holdings, Inc. (the “Company”) and the Purchasers party thereto entered into that Securities Purchase Agreement dated as of March 7, 2025 (as amended, restated, amended and restated, extended, supplemented or otherwise modified from time to time, the “Purchase Agreement”);

WHEREAS, the Company, as Issuer (the “Issuer”), each Guarantor signatory thereto, U.S. Bank Trust Company, National Association, in its respective capacities as Trustee and as Collateral Agent, entered into that Indenture dated as of March 12, 2025 (as amended, restated, amended and restated, extended, supplemented or otherwise modified from time to time, the “Indenture”);

WHEREAS, in connection with the Purchase Agreement and the Indenture, the Pledgor entered into the Pledge and Security Agreement dated as of March 12, 2025 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Security Agreement”) for the benefit of the Secured Parties; and

WHEREAS, under the terms of the Security Agreement, the Pledgor has granted to the Collateral Agent, for the benefit of the Secured Parties, a security interest in, among other property, certain intellectual property of the Pledgor, and have agreed as a condition thereof to execute this Patent Security Agreement for recording with the United States Patent and Trademark Office.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Pledgor agrees as follows:

SECTION 1. Grant of Security. The Pledgor hereby assigns and pledges to the Collateral Agent and its successors and permitted assigns, for the benefit for the Secured Parties, and hereby grants to the Collateral Agent and its successors and permitted assigns, for the benefit of the Secured Parties a security interest in all of such Pledgor’s right, title and interest in or to the following (the “Collateral”): (i) each Pledgor’s issued Patents and Patents for which applications are pending in the United States Patent and Trademark Office, including those set forth in Schedule A hereto, (ii) all IP Ancillary Rights relating thereto, including the right to make, use, import and/or sell the inventions disclosed or claimed therein, and (iii) all proceeds and products of the foregoing.

SECTION 2. Security for Obligations. The grant of a security interest in the Collateral by the Pledgor under this Patent Security Agreement secures the prompt and complete payment and performance when due (whether at stated maturity, by acceleration or otherwise), in full, of its Obligations.

SECTION 3. Recordation. This Patent Security Agreement has been executed and delivered by the Pledgor for the purpose of recording the grant of security interest herein with the United States Patent and Trademark Office. The Pledgor authorizes and requests that the Commissioner for Patents record this Patent Security Agreement.

SECTION 4. Execution in Counterparts. This Patent Security Agreement may be executed in two or more counterparts, each of which shall constitute an original but all of which when taken together shall constitute but one and shall become effected as provided in Section 6.4 of the Security Agreement. Delivery of an executed counterpart of this Patent Security Agreement by facsimile or other electronic transmission shall be as effective as delivery of a manually signed original.

SECTION 5. Grants, Rights and Remedies. This Patent Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. The Pledgor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Collateral Agent with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Patent Security Agreement and the terms of the Security Agreement, the terms of the Security Agreement shall govern.

SECTION 6. Governing Law. This Patent Security Agreement and the obligations of the parties under this Patent Security Agreement shall be governed by, and construed and interpreted in accordance with, the internal laws of the State of New York.

SECTION 7. Severability. In case any one or more of the provisions contained in this Patent Security Agreement should be held invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein and in the Security Agreement shall not in any way be affected or impaired thereby (it being understood that the invalidity of a particular provision in a particular jurisdiction shall not in and of itself affect the validity of such provision in any other jurisdiction). The parties hereto shall endeavor in good-faith negotiations to replace the invalid, illegal or unenforceable provisions with valid provisions the economic effect of which comes as close as possible to that of the invalid, illegal or unenforceable provisions.

SECTION 8. Concerning the Collateral Agent. Collateral Agent is executing this Patent Security Agreement solely in its capacity as Collateral Agent under the Security Agreement. Collateral Agent shall enjoy all the same rights, protections, immunities and indemnities granted to it under the Indenture or the Security Agreement as though set forth in full herein. In performing its functions and duties under this Patent Security Agreement, the Collateral Agent shall act solely as the agent of the Secured Parties and does not assume, nor shall be deemed to have assumed, any obligation or relationship of trust with or for the Secured Parties. Nothing in this Patent Security Agreement shall be interpreted as giving the Collateral Agent responsibility for or any duty concerning the validity, perfection, priority or enforceability of the liens granted hereunder or giving the Collateral Agent any obligation to take any action to procure or maintain such validity, perfection, priority or enforceability.

SECTION 9. Intercreditor Agreement. Anything herein to the contrary notwithstanding, the liens and security interests securing the Obligations hereunder and the exercise of any rights or remedy with respect thereto are subject to the provisions of the applicable Intercreditor Agreement. In the event of any conflict between the terms of this Patent Security Agreement and the terms of such Intercreditor Agreement, the terms of the Intercreditor Agreement shall govern and control.

*[Signature Pages Follow]*

**IN WITNESS WHEREOF**, each Pledgor has caused this Patent Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.


**KLX ENERGY SERVICES LLC,**  
as Pledgor

By: 

Name: Max Bouthillette

Title: Vice President and Secretary

**U.S. BANK TRUST COMPANY, NATIONAL  
ASSOCIATION,**  
as Collateral Agent

By:   
Name: Wally Jones  
Title: Vice President

# SCHEDULE A

## United States Patents and Patent Applications

Registered owner/ Grantor	Title	Registration No.	Application No.
KLX Energy Services LLC	PLUNGER TOOL FOR RECIPROCATION PUMP	10655616	15/986,601
KLX Energy Services LLC	DRILL STRING PRESSURE ALTERING APPARATUS AND METHOD	10161208	15/182,993
KLX Energy Services LLC	DRIVE SHAFT ASSEMBLY FOR DOWNHOLE MUD MOTOR CONFIGURED FOR DIRECTIONAL DRILLING	10208543	15/069,016
KLX Energy Services LLC	Hydraulic Percussion Apparatus and Method of Use	9464484	14/085,209
KLX Energy Services LLC	Hydraulic Pipe String Vibrator For Reducing Well Bore Friction	9879495	14/732,494
KLX Energy Services LLC	MECHANICALLY ACTIVATED BYPASS VALVE APPARATUS AND METHOD	9890601	14/802,772
KLX Energy Services LLC	Impact Dampening Apparatus	9988859	14/792,536
KLX Energy Services LLC	EXTENDED REACH TOOL FOR A BOTTOM HOLE ASSEMBLY	n/a	18375737
KLX Energy Services LLC	PLUNGER TOOL FOR RECIPROCATION PUMP	10961994	16/803,272
KLX Energy Services LLC	APPARATUS AND METHOD FOR REMOVING DEBRIS FROM A WELLBORE	11788383	16/591,076
KLX Energy Services LLC	Hydraulic Pipe String Vibrator	9366100	13/746,480
KLX Energy Services LLC	Bearing Assembly for Downhole Motor	9175516	13/705,676
KLX Energy Services LLC	Pressure Activated Cyclical Valve Apparatus and Method	9951582	14/801,343
KLX Energy Services LLC	Downhole Separation Apparatus and Method	9771762	14/615,883

Registered owner/ Grantor	Title	Registration No.	Application No.
KLX Energy Services LLC	LATERAL PROPULSION APPARATUS AND METHOD FOR USE IN A WELLBORE	10865623	16/057,899
KLX Energy Services LLC	PRESSURE CONTROL FOR GATE-VALVE AND HOT-TAP DRILLING SYSTEMS	10954730	16/434,485
KLX Energy Services LLC	Rotor Catch Apparatus for Downhole Motor and Method of Use	10465510	15/621,125
KLX Energy Services LLC	Venturi Jet Basket	D831077	29/597,816
KLX Energy Services LLC	APPARATUS AND METHOD FOR RUNNING CASING IN A WELLBORE	10519753	15/712,399
KLX Energy Services LLC	WELLBORE FLOW DIVERSION TOOL UTILIZING TORTUOUS PATHS IN BOW SPRING CENTRALIZER STRUCTURE	10400540	15/438,815
KLX Energy Services LLC	DEGRADABLE IN-LINE BUOYANT SYSTEM FOR RUNNING CASING IN A WELLBORE	11639641	17/123,725
KLX Energy Services LLC	EXTERNAL WELLHEAD SEALING AND CLAMPING SYSTEM	12252948	18229042
KLX Energy Services LLC	Bearing Assembly for Downhole Motor	8701797	13/023,693
KLX Energy Services LLC	PLUNGER TOOL FOR RECIPROCATION PUMP	11187216	16/803,405
KLX Energy Services LLC	Apparatus and Method for Removing Debris From a Well Bore	12152464	18/379,030
KLX Energy Services LLC	Pressure Relief Valve Apparatus	D973844	29/727,650
KLX Energy Services LLC	Extended Reach and Jarring Tool for a bottom hole assembly		18375811