

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7550362

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHARLES ABERNETHY ANDERSON	09/16/2022
RECEIVING PARTY DATA	
Name:	CT ENERGY LTD.
Street Address:	6420 - 79 AVENUE S.E.
Internal Address:	UNIT 16
City:	CALGARY
State/Country:	CANADA
Postal Code:	T2C 5M4
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17429265
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	679005USP
NAME OF SUBMITTER:	SHELBY KENNEDY
SIGNATURE:	/Shelby Kennedy/
DATE SIGNED:	09/21/2022
Total Attachments: 6	
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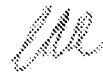
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PATENT ASSIGNMENT/TRANSFER

I, **CHARLES ABERNETHY ANDERSON** whose full post office address is Box 19, Site 2, RR1, Millarville, Alberta, T0L 1K0, Canada, for and in consideration of ten dollars (\$10.00) and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, do hereby assign to **CT ENERGY LTD.** ("ASSIGNEE") whose full post office address is 6420 - 79 Avenue S.E., Unit 16, Calgary, Alberta, T2C 5M4, Canada, all my right, title and interest in and to the invention(s), patent application(s) and patent(s) set out in Schedule "A" attached hereto and worldwide rights therein, including all divisions, continuations and substitutions thereof, and all Canadian and foreign patents which shall issue on said invention(s), patent application(s) and patent(s), including all reissues, renewals and extensions thereof, for Canada and all foreign countries, including the right to file corresponding applications for patents or the legal equivalent thereof in any and all foreign countries, and the right to claim priority under any and all treaties and conventions to which Canada is signatory including the Paris Convention for the Protection of Industrial Property and the Patent Co-operation Treaty of the World Intellectual Property Organization ("WIPO") for such corresponding applications, or any division, continuation, renewal or substitution thereof, and as to patents and any reissue, re-examination or extension thereof, the same to be held and enjoyed by said ASSIGNEE, its assigns and successors, as fully and entirely as the same would have been held and enjoyed by me, had this assignment not been made. I hereby authorize and request the Commissioner of Patents in Canada and officials in all foreign countries to issue all patents or legal equivalents thereof based on said application(s) and on each division, continuation, substitution, reissue, renewal and extension thereof to said ASSIGNEE, its successors and assigns.

I covenant and agree that I will, at any time on request and at the expense of said ASSIGNEE, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable, in the opinion of said ASSIGNEE, to enable and assist said ASSIGNEE to (a) obtain Letters Patent, both domestic and foreign, on said invention(s); (b) establish, maintain and secure title in said ASSIGNEE, its successors and assigns, to said invention(s), application(s) and Letters Patent, including making such title of lawful public record; and (c) defend, establish or otherwise preserve the validity of said Letters Patent against any and all infringers, and perform such other acts as are necessary to give full force and effect to this assignment.

I represent and warrant that no assignment, mortgage, sale, license, pledge, encumbrance or alienation of said invention or patent application has been or will be made or entered into which would conflict with this assignment and sale.



I irrevocably appoint the ASSIGNEE, its successors, legal representatives and assigns, as common representative for any and all international patent applications filed pursuant to the Patent Cooperation Treaty, and all national phase applications derived therefrom, concerning the invention(s) or claiming priority from the aforesaid application(s).

I HEREBY declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, in the United States under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of any patent application filed in respect of the invention or of any patent issued thereon.

IN TESTIMONY WHEREOF, I have duly executed this assignment as my free act and deed. Signed at Millarville (City/Town), Alberta, on the 16 day of September, 2022.

Charles Abernethy Anderson
Signature
CHARLES ABERNETHY ANDERSON

CERTIFICATE OF WITNESS

I acknowledge that I was personally present and did see **CHARLES ABERNETHY ANDERSON**, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signature of Witness Dorothy Anderson

Name of Witness DOROTHY ANDERSON

Address of Witness Box 19, Site 2, R.R. 1, Millarville, AB
T0L 1K0

SCHEDULE "A" TO PATENT ASSIGNMENT/TRANSFER

Summary of Patent Portfolio

This portfolio is intended to be used for general information purposes only. Please note that the status of each patent and patent application listed below is only based upon a review of our docketing system, previous correspondence to and from CT Energy Services Ltd., and correspondence to and from our foreign associates.

While we have attempted to be as accurate as possible, we have not done, nor do we represent to have done, a thorough review of each individual patent and patent application in the preparation of this Summary. Further due diligence into the status of each patent should be performed prior to any reliance upon the information herein.

Finally, although best efforts were made to provide accurate cost estimates, all quotes are subject to change.



TORQUE GENERATOR

Case Ref.	Country	Title	Application Date	Application No.	Registration Date	Registration No.	Case Status
USPPA	US	Methods and Apparatus for Directional Drilling	March 6, 2017	62/467,301			Abandoned Maintenance Fees due February 15 annually
127185.010	Canada	TORQUE GENERATOR		2,955,267			Request for Examination due February 15, 2023 Maintenance Fees due November 12, 2023, November 12, 2027, November 12, 2031
127185.011	United States of America	TORQUE GENERATOR	February 22, 2016	15/902,023	May 12, 2020	10,648,237	Patent valid until June 21, 2037

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MODIFIED TORQUE GENERATOR AND METHODS OF USE

Case Ref.	Country	Title	Application Date	Application No.	Registration Date	Registration No.	Case Status
127185.014	USPPA	MODIFIED TORQUE GENERATOR AND METHODS OF USE	31-Jul-2019	621890.717			Formal Application filed July 31, 2020
127185.014	PCT	MODIFIED TORQUE GENERATOR AND METHODS OF USE	31-Jul-2020	PCT/CA2020/051060			Expired at end of life National Phase Entry Applications filed
127185.018	China	MODIFIED TORQUE GENERATOR AND METHODS OF USE (Claims: Helical Fluid Flow Restrictors)	21-JAN-2021	CN Patent App No. 2020800040873	May 3, 2022	CN Patent No. ZL2020800040873	Grant Fees and 3rd Annulity paid -- Patent Certificate issued Renewal Fees due July 31 annually
127185.021	China (Div)	MODIFIED TORQUE GENERATOR AND METHODS OF USE (Claims: Piston Assembly Restrictors)	18-AUG-2021	CN Div App No. 20211094775.8			Notice of Publication and Entering Substantive Exam Waiting for Examiner's Office Action
127185.019	Canada	MODIFIED TORQUE GENERATOR AND METHODS OF USE	03-AUG-2021	3,128,775			Maintenance Fees due July 31 annually Request for Examination due July 31, 2024
127185.020	United States	MODIFIED TORQUE GENERATOR AND METHODS OF USE	August 8, 2021	17/429,286			Waiting for first Office Action Maintenance Fee due July 31 annually, commencing July 31, 2024 Request for Examination due July 31, 2024
127185.024	Australia	MODIFIED TORQUE GENERATOR AND METHODS OF USE	January 18, 2022	2020323312			

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Case Ref.	Country	Title	Application Date	Application No.	Registration Date	Registration No.	Case Status
127185.025	India	MODIFIED TORQUE GENERATOR AND METHODS OF USE	January 20, 2022	202217003352			Request for Examination due July 31, 2023
127185.026	Indonesia	MODIFIED TORQUE GENERATOR AND METHODS OF USE	January 26, 2022	P00202200557			Substantive Examination due July 30, 2023
127185.027	Russia	MODIFIED TORQUE GENERATOR AND METHODS OF USE	February 25, 2022	2022105091			Substantive Examination due July 31, 2023

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REEL: 061168 FRAME: 0372

RECORDED: 09/21/2022