PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7298526

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THE UNIVERSITY OF BRITISH COLUMBIA	02/22/2022

RECEIVING PARTY DATA

Name:	JETTI RESOURCES, LLC			
Street Address:	2010 8TH STREET			
City:	BOULDER			
State/Country:	COLORADO			
Postal Code:	80302			

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16743949

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	SMAR-086DIV3
NAME OF SUBMITTER:	RUDY J. NG
SIGNATURE:	/Rudy J. Ng, Reg. No. 56,741/
DATE SIGNED:	04/26/2022

Total Attachments: 11

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ASSIGNMENT OF PATENT RIGHTS - PCT 1

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the University of British Columbia, a corporation continued under the University Act of British Columbia with offices at #103-6190 Agronomy Road, Vancouver, British Columbia, Canada V6T 1Z3. ("Assignor"), hereby confirms that it has irrevocably sold, assigned and transferred unto Jetti Resources, LLC, a Delaware limited liability company, with offices at 2010 8th Street, Boulder, CO 80302 (hereinafter referred to as "Assignee"), pursuant to an agreement dated February 22, 2022 (i) the Assignor's entire right, title and interest throughout the world in and to the patents and patent applications set forth in Appendix "1" (the "Patents"), including the inventions disclosed therein, and also including all rights for the United States of America and all other countries, including all rights of priority under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and other treaties of like purposes, and all rights and benefits under any applicable treaty or convention, and in all letters patent of the United States and all other countries including without limitation utility models and designs which may or shall be granted on said Patents, or any parts thereof, including any divisional, continuation, continuation-in-part, reissue, and re-examinations; (ii) any and all royalties, fees, income, payments, and other proceeds now or hereafter due or payable with respect to any and all of the Patents; (iii) any and all claims and causes of action with respect to any of the Patents, whether accruing before, on, or after the date hereof, including all rights to and claims for damages, restitution, and injunctive and other legal and equitable relief for past, present, and future infringement, dilution, misappropriation, violation, misuse, breach, or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages; (iv) any other rights of any kind whatsoever that Assignor may have in respect of the Patents as provided by applicable law of any jurisdiction, by international treaties and conventions, and otherwise throughout the world.

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PATENT REEL: 059732 FRAME: 0345

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The parties have executed this Agreement effective as of February 22, 2022:

SIGNED FOR AND ON BEHALF OF

THE UNIVERSITY OF BRITISH COLUMBIA by its authorized signatory:

Authorized Signatory

Brett Sharp, Pxの、Associate Director Technology Transfer

University Industry Liaison Office

PROVINCE OF BRITISH COLUMBIA

CITY OF VANCOUVER

I, MATTHEW MURRAY, a Notary Public in and for the Province of British Columbia, Canada, do hereby certify that Brett Sharp personally appeared and signed this document before me this day and, being by me first duly sworn, stated that s/he is duly authorized by THE UNIVERSITY OF BRITISH COLUMBIA to execute this document as a duly authorized act of such company.

WITNESS my hand and notarial seal, this 23 dd of

Signature of Notary Public

My Commission does not expire.

MATTHEW D. MURRAY

Barrister & Solicitor
Industry Sponsored Research
The University of British Columbia

A Notary in and for the Province of British Columbia #103 - 6190 Agronomy Road, Vancouver, BC V6T 1Z3 Telephone: 604-822-8167 Fax: 604-822-8589

[Signature page to Assignment of Patent Rights.]

SIGNED FOR AND ON BEHALF OF Jetti Resources, LLC by its authorized signatory: Authorized Signatory Michael K. Outwin, Chief Executive Officer STATE OF COLORADO COUNTY OF BOULDER , a Notary Public of the County of Boulder, of the State of Colorado, do hereby certify that Michael K. Outwin personally appeared and signed this document before me this day and, being by me first duly sworn, stated that s/he is duly authorized by Jetti Resources, LLC to execute this document as a duly authorized act of such company. WITNESS my hand and notarial seal, this _ Signature of Notary Public

ALEKSANDRA PUHALO NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20214026715 MY COMMISSION EXPIRES 07/01/2025

My Commission Expires:

[Signature page to Assignment of Patent Rights.]

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REEL: 059732 FRAME: 0347

Appendix "1"

Patents

	Carre Syp.	Country	File	
		PCT/C	A2016/050444	
62/149,015 17 Apr 2015	Provisional	United States	PROCESS FOR LEACHING CHALCOPYRITE WITH THIOUREA	CONVERTED TO PCT
PCT/CA2016/050444 15 Apr 2016 (WO 2016/165027)	PCT	PCT	PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS	NATIONAL ENTRY APPLICATIONS FILED
P160101055 18 Apr 2016 AR 104304 AR104304B1	Direct Filing (not through PCT)	Argentina	PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS	ISSUED 30 November 2020
AP/P/2017/010264 20 October 2017	National Entry	ARIPO	PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS	GRANTED
AU 2016250309 Filed 27 Sept 2017 Pat. No. 2016250309	National Entry	Australia	PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS	ISSUED 23 May 2019

AU 2018247307 12 Oct 2018 Pat. No. 2018247307	Divisional from National Entry		PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS	28 May 2020
AU 2020200918 7 Feb 2020	Divisional from AU 2018247307	Australia	PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS	ACCEPTED
AU 2021204246 23 June 2021	Divisional from AU 2020200918	Australia	PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS	FILED
BR 11 2017 022091 1 01 Nov 2017 Pat No. BR 11 2017 022091 1	National Entry	Brazil	PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS	ISSUED 31 August 2021
CA 2973612 12 Jul 2017 Pat. No. 2973612	National Entry	Canada	PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS	ISSUED 15 January 2019
CL 2017-0002632 17 Oct 2017 Pat. No. 58644	National Entry	Chile	PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS	ISSUED 28 February 2020

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CL 2019-2080		Chile	PROCESS FOR LEACHING	FILED
	from National		METAL SULFIDES WITH	
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CL 2020-0013	Divisional	Chile	PROCESS FOR LEACHING	FILED
3 Jan 2020	from		METAL SULFIDES WITH	
3.380 7670	2019-2080		REAGENTS HAVING	
	2013-2080		THIOCARBONYL	
			FUNCTIONAL GROUPS	Wang and 1997 1 1880
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201680022436.8	National	China	PROCESS FOR LEACHING	ISSUED
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			REAGENTS HAVING	
(Pub. CN107532229)			THIOCARBONYL	
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202010406265.7	Divisional	China	PROCESS FOR LEACHING	FILED
	from National		METAL SULFIDES WITH	
14 May 2020	Entry		REAGENTS HAVING	
783 X 73873 4 4 6 7 6 6 6 4 5			THIOCARBONYL	
(Pub. CN111850294)			Section of the sec	
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IEPI-2017-68938	National	Ecuador	PROCESS FOR LEACHING	ABANDONED
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201792285	National	EURASIA	PROCESS FOR LEACHING	FILED
	Entry		METAL SULFIDES WITH	
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EP 16779376.9	National	Europe	PROCESS FOR LEACHING	FILED
	Entry	Δωιορο	METAL SULFIDES WITH	T TOOLS
17 Nov 2017	w T		REAGENTS HAVING	
(Pub. EP3283661)			THIOCARBONYL	
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P00201707140	National	Indonesia	PROCESS FOR LEACHING	ABANDONED
16 Oct 2017	Entry		METAL SULFIDES WITH	
			REAGENTS HAVING	
			THIOCARBONYL	
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2017-555583	National Entry	Japan	PROCESS FOR LEACHING	ISSUED
17 Oct 2017	ratti y		METAL SULFIDES WITH	9 November 2018
TO 4 D.T. #370400479			REAGENTS HAVING THIOCARBONYL	
Pat. No. 6431213			FUNCTIONAL GROUPS	
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2018-206496	Divisional	Japan	PROCESS FOR LEACHING	ISSUED
t N7 - 2010	from National		METAL SULFIDES WITH	2031 1 2000
1 Nov 2018	Entry		REAGENTS HAVING	30 November 2020
Pat. No. 6801888			THIOCARBONYL	
			FUNCTIONAL GROUPS	
2020-102585	Divisional	Japan	USE OF REAGENT FOR	ALLOWED
v	from 2018-		EXTRACTING BASE METAL	
12 Jun 2020	206496		ION FROM BASE METAL	
(Pub. JP 2020153018)			SULFIDE AND METHOD OF	
			RECOVERING BASE METAL	
			ION FROM BASE METAL	
			SULFIDE	
557	National	Laos	PROCESS FOR LEACHING	ABANDONED
26 Oct 2017	Entry		METAL SULFIDES WITH	
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			THIOCARBONYL	
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MX/a/2017/013312 16 Oct 2017	National Entry	Mexico	PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING	ISSUED 13 July 2020
(Pub. MX 2017013312A)			THIOCARBONYL FUNCTIONAL GROUPS	
373981	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			
MX/a/2020/006857 26 Jun 2020	Divisional from National Entry	Mexico	PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS	FILED
18-2017-0006166 14 Nov 2017 Pat. No. 10-0004745	National Entry	Mongolia	PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS	ISSUED 3 July 2019
91815 13 Oct 2017	National Entry	Panama	PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS	ABANDONED
PG/P/2018/0002 7 Nov 2017	National Entry	Papua New Guinea	PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS	PENDING
1988-2017 6 Oct 2017 (Pub. PE 20180472) Pat. No. 10509	National Entry	Peru	METHODS OF RECOVERING AT LEAST ONE BASE METAL FROM AT LEAST ONE BASE METAL SULFIDE IN A MATERIAL WITH A REAGENT HAVING A THIOCARBONYL FUNCTIONAL GROUP OF A FORMAMIDINE DISULFIDE	ISSUED 14 February 2020

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627-2020 Divisional from National Entry PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS 1-2017-501886 National Philippines PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL PH12017501886 REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS	FILED
29 May 2020 Entry REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS 1-2017-501886 National Philippines PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL	ABANDONED
1-2017-501886 National Philippines PROCESS FOR LEACHING 18 Oct 2017 Entry METAL SULFIDES WITH (PH12017501886) REAGENTS HAVING THIOCARBONYL	ABANDONED
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15/566,684 National United PROCESS FOR LEACHING METAL	rection.
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(US-2018-0135148- FUNCTIONAL GROUPS	
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U.S. Pat. 10,961,604	
16/743,635 Divisional United PROCESS FOR LEACHING METAL	ISSUED
from National States SULFIDES WITH REAGENTS	MOOLL
15 Jan 2020 Entry HAVING THIOCARBONYL	23 March 2021
FUNCTIONAL GROUPS	
(US-2020-0149131-	
A1)	
U.S. Pat. 10,954,583	
16/743,675 Divisional United PROCESS FOR LEACHING METAL	ISSUED
from National States SULFIDES WITH REAGENTS	
15 Jan 2020 Entry HAVING THIOCARBONYL	15 December 2020
FINCTIONAL GROUPS	
(US-2028-0181731-	
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U.S. Pat. 10,865,460	
16/743,949 Divisional United PROCESS FOR LEACHING METAL	ISSUED
from National States SULFIDES WITH REAGENTS	39 Page 12 2000
15 Jan 2020 Entry HAVING THIOCARBONYL	22 December 2020
(US-2029-0181732- FUNCTIONAL GROUPS	
Pat. No. 10,870,903	
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16/743,982 Divisional United PROCESS FOR LEACHING METAL	ISSUED
from National States SULFIDES WITH REAGENTS 15 Jan 2020 Fntry HAVING THIOCARBONYI	29 December 2020
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(US-2028-0181733- FUNCTIONAL GROUPS	
A1)	
Pat. No. 10,876,186	

16/744,012	Divisional	United	PROCESS FOR LEACHING METAL	ISSUED
15 Jan 2020	from National Entry		SULFIDES WITH REAGENTS HAVING THIOCARBONYL	29 December 2020
(US-2020-0181734- A1)			FUNCTIONAL GROUPS	
Pat. No. 10,876,187				
16/744,041	Divisional	United	PROCESS FOR LEACHING METAL	ISSUED
15 Jan 2020	from National Entry	States	SULFIDES WITH REAGENTS HAVING THIOCARBONYL	22 September 2020
(US-2020-0149132-			FUNCTIONAL GROUPS	
AI)				
Pat. No. 10,781,502	.,			
16/744,831	Continuation from National	United States	PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS	FILED
16 Jan 2020	Entry	2000	HAVING THIOCARBONYL	
(US-2020-0181735- A1)			FUNCTIONAL GROUPS	
16/748,553	Continuation		PROCESS FOR LEACHING METAL	FILED
21 Jan 2020	from National Entry	States	SULFIDES WITH REAGENTS HAVING THIOCARBONYL	
(US-2020-0181736- A1)	·		FUNCTIONAL GROUPS	
16/748,557	Continuation	United	PROCESS FOR LEACHING METAL	FILED
21 Jan 2020	from National		SULFIDES WITH REAGENTS	5
	Entry		HAVING THIOCARBONYL FUNCTIONAL GROUPS	
(US-2020-0181737- A1)				
17/140,943	Continuation	United	PROCESS FOR LEACHING METAL	FILED
4 Jan 2021	from National Entry	States	SULFIDES WITH REAGENTS HAVING THIOCARBONYL	
(US-2021-0198767-	tatist j		FUNCTIONAL GROUPS	
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IAP-20170490 14 Nov 2017	National Entry	Uzbekistan	PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS	ABANDONED

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1-2017-04560 15 Nov 2017	National Entry	Vietnam	PROCESS FOR LEACHING METAL SULFIDES WITH REAGENTS HAVING THIOCARBONYL FUNCTIONAL GROUPS	FILED
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And including all inte continuations-in-part,			pplications, national stage filings, division	als, continuations,

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