PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIANGTAO ZHANG	10/15/2020
RAVIPRASAD V. MUMMUDI	10/19/2020
BHARATH BHOOPALAM	10/15/2020
VIJAY DHEERAJ REDDY MANDADI	10/15/2020
RAMU PANAYAPPAN	10/15/2020

RECEIVING PARTY DATA

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Street Address:	PO BOX 81226
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Postal Code:	98108-1226

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17074315

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ATTORNEY DOCKET NUMBER:	1030P71338US
NAME OF SUBMITTER:	ERIC L. SELLARS
SIGNATURE:	/EricLSellars/
DATE SIGNED:	10/21/2020

Total Attachments: 9

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PATENT REEL: 054129 FRAME: 0078

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PATENT REEL: 054129 FRAME: 0079

U.S. Patent Appln. No. <u>17/074,315</u> Filing Date <u>10/19/2020</u>

Attorney Docket No. 1030P71338US Client Docket No. P71338-US01

PARTIES TO THE ASSIGNMENT

Assignor(s):

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Ramu Panayappan 410 Terry Avenue North Seattle, WA 98109-5210

Assignee:

Amazon Technologies, Inc. PO Box 81226 Seattle, WA 98108-1226

AGREEMENT

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U.S. Patent Appln. No	Attorney Docket No. 1030P71338US
Filing Date	Client Docket No. P71338-US01

Title of Invention: AUTOMATICALLY MAPPING BINARY EXECUTABLE FILES TO SOURCE CODE BY A SOFTWARE MODERNIZATION SYSTEM

Inventors: Jiangtao Zhang, Raviprasad V Mummidi, Bharath Bhoopalam, Vijay Dheeraj Reddy Mandadi, Ramu Panayappan,

will be filed concurrently with the submission of this executed PATENT ASSIGNMENT for recordation. ASSIGNOR(S) hereby authorizes and requests ASSIGNEE'S legal representatives, of Nicholson Devos Webster & Elliott LLP, associated with Customer No. 148241, to insert in the header above and here in parentheses (U.S. Patent Application No. 17/074,315 filed 10/19/2020 this application's U.S. application number and filing date, when known.

WHEREAS, ASSIGNEE, a corporation of the State of Nevada, is desirous of acquiring the entire right, title and interest in and to the Invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said Invention and any improvements thereto, said Application and any and all letters patent which may be granted for said Invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all provisional, divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said Application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said Invention, Application and all letters patent on said Invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment,

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U.S. Patent Appln. No. ______ Filing Date Attorney Docket No. 1030P71338US Client Docket No. P71338-US01

Title of Invention: AUTOMATICALLY MAPPING BINARY EXECUTABLE FILES TO SOURCE CODE BY A

SOFTWARE MODERNIZATION SYSTEM

Inventors: Jiangtao Zhang, Raviprasad V Mummidi, Bharath Bhoopalam, Vijay Dheeraj Reddy

Mandadi, Ramu Panayappan,

transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner

of Patents and Trademarks, as well as all other applicable patent offices throughout the world, to

issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S) agree to execute all

instruments and documents required for the making and prosecution of applications for United

States and foreign letters patent on said Invention, for litigation regarding said letters patent, or

for the purpose of protecting title to said Invention or letters patent therefor.

AND ASSIGNOR(S) DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its

successors, legal representatives, and assigns all claims for damages and all remedies arising out

of any violation of the rights assigned hereby that may have accrued prior to the date of

assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue

for, collect, and retain damages for past infringements of said letters patent before or after

issuance.

AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will communicate

to ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR

respecting the Invention or said Application, and testify in any legal proceeding, assist in the

preparation of any other patent property relating to the Application and the Invention or any

improvements made thereto, sign/execute all lawful papers, provide all requested documents,

execute and make all rightful oaths and/or declarations in connection with the Application and

the Invention including any improvements made thereto, any patent applications filed therefrom,

and any continuing application filed from any of the aforementioned applications, and generally

do everything possible to aid ASSIGNEE, its successors, legal representatives and assigns, to obtain

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PATENT REEL: 054129 FRAME: 0082

U.S. Patent Appln. No Filing Date	Attorney Docket No. 1030P71338US Client Docket No. P71338-US01
Title of Invention: AUTOMATICALLY MAPPING BINARY EXE SOFTWARE MODERNIZATION SYSTEM	ECUTABLE FILES TO SOURCE CODE BY A
Inventors: Jiangtao Zhang, Raviprasad V Mummidi, Bhara Mandadi, Ramu Panayappan,	th Bhoopalam, Vijay Dheeraj Reddy
and enforce proper patent protection for the Invention	in all countries. These provisions are
binding upon ASSIGNOR's heirs, legal representatives, adr	ninistrators, and assigns.

Filing Date		Client Docket No	. 1030P/1338US lo. P71338-USO
Title of Invention: AUTOMATICALLY MAPPING SOFTWARE MODERNIZATION SYSTEM	NG BINARY EXEC	UTABLE FILES TO SOL	JRCE CODE BY A
Inventors: Jiangtao Zhang, Raviprasad V Mo Mandadi, Ramu Panayappan,	ummidi, Bharath	Bhoopalam, Vijay D	heeraj Reddy
<u>DECLARATION</u> As a below named inventor, I hereby declar	e that:		
This declaration is directed to:			
$igstyle{igstyle}$ the attached application; or			
United States Patent Application	n number	filed on	; or
PCT International Application nu	umber	filed on	<u></u> .
The above-identified application was made	or authorized to	be made by me.	
I believe that I am the original inventor or a application.	n original joint ir	oventor of a claimed	Invention in the
I have reviewed and understand the conten	its of the above-i	dentified application	, and
acknowledge the duty to disclose to the US	Patent & Trader	nark Office all inform	ation known to
me to be material to the patentability as de	fined in 37 CFR 1	1.56.	
I hereby acknowledge that any willful false	statement made	in this declaration is	punishable
under 18 USC 1001 by fine or imprisonment	t of not more tha	an five (5) years, or b	oth.
Docusigned by: / Jiangtao Zuang/			
Jiangtao Zhang			
October 15, 2020			
Date			

U.S. Patent Appin. No Filing Date		Attorney Docket N Client Docket	io. 1030P/1338US : No. P71338-US01
Title of Invention: AUTOMATICALLY MAPI SOFTWARE MODERNIZATION SYSTEM	PING BINARY EXE	CUTABLE FILES TO SO	OURCE CODE BY A
Inventors: Jiangtao Zhang, Raviprasad V I Mandadi, Ramu Panayappan,	Mummidi, Bhara	th Bhoopalam, Vijay	Dheeraj Reddy
DECLARATION As a below named inventor, I hereby decla	re that:		
This declaration is directed to:			
igotimes the attached application; or			
United States Patent Application	on number	filed on	; or
PCT International Application r	number	filed on	.
The above-identified application was made	e or authorized to	be made by me.	
I believe that I am the original inventor or a application.	an original joint ir	eventor of a claimed Ir	nvention in the
I have reviewed and understand the conte	nts of the above-	identified application,	and acknowledge
the duty to disclose to the US Patent & Tra	demark Office all	information known to	o me to be
material to the patentability as defined in 3	37 CFR 1.56.		
I hereby acknowledge that any willful false	statement made	in this declaration is p	ounishable under
18 USC 1001 by fine or imprisonment of no	ot more than five	(5) years, or both.	
Docusigned by: /Kaviprasad V Mummidi/			
Raviprasad V Mummidi			
October 19, 2020			
Date			

U.S. Patent Appin. No Filing Date		Client Docket No. 103	
Title of Invention: AUTOMATICALLY MAP SOFTWARE MODERNIZATION SYSTEM	PING BINARY EX	ECUTABLE FILES TO SOURCE	CODE BY A
Inventors: Jiangtao Zhang, Raviprasad V Mandadi, Ramu Panayappan,	Mummidi, Bhara	ath Bhoopalam, Vijay Dheer	aj Reddy
DECLARATION As a below named inventor, I hereby decla	re that:		
This declaration is directed to:			
igotimes the attached application; or			
United States Patent Application	on number	filed on;	or
PCT International Application r	າumber	filed on	
The above-identified application was made	e or authorized to	o be made by me.	
I believe that I am the original inventor or a application.	an original joint i	nventor of a claimed Inventio	n in the
I have reviewed and understand the conte	nts of the above	-identified application, and ac	knowledge
the duty to disclose to the US Patent & Tra	demark Office a	ll information known to me to	be
material to the patentability as defined in 3	37 CFR 1.56.		
I hereby acknowledge that any willful false	statement mad	e in this declaration is punisha	able under
18 USC 1001 by fine or imprisonment of no	ot more than five	e (5) years, or both.	
DocuSigned by:			
/Bliaratli Blioopalam/			
Bharath Bhoopalam			
October 15, 2020			
Date			

U.S. Patent Appin. No Filing Date		Attorney Docket No. 1 Client Docket No.	
Title of Invention: AUTOMATICALLY MAPF SOFTWARE MODERNIZATION SYSTEM	PING BINARY EXI	ECUTABLE FILES TO SOUR	CE CODE BY A
Inventors: Jiangtao Zhang, Raviprasad V N Mandadi, Ramu Panayappan,	√lummidi, Bhara	th Bhoopalam, Vijay Dhe	eraj Reddy
DECLARATION As a below named inventor, I hereby declar	re that:		
This declaration is directed to:			
igotimes the attached application; or			
United States Patent Application	n number	filed on	_; or
PCT International Application n	umber	filed on	
The above-identified application was made	or authorized to	be made by me.	
I believe that I am the original inventor or a application.	ın original joint ir	nventor of a claimed Inven	tion in the
I have reviewed and understand the conter	nts of the above-	identified application, and	acknowledge
the duty to disclose to the US Patent & Trac	demark Office all	I information known to me	e to be
material to the patentability as defined in 3	7 CFR 1.56.		
I hereby acknowledge that any willful false	statement made	e in this declaration is puni	shable under
18 USC 1001 by fine or imprisonment of no	t more than five	(5) years, or both.	
Docusigned by: Nyay Dueray Keddy Mandadi/			
Vijay Dheeraj Reddy Mandadi			
October 15, 2020			
Date			

U.S. Patent Appln. No Filing Date	•
itle of Invention: AUTOMATICALLY MAPPING BINARY EXECUTABLE FILES TO SOURCE CODE BY A OFTWARE MODERNIZATION SYSTEM nventors: Jiangtao Zhang, Raviprasad V Mummidi, Bharath Bhoopalam, Vijay Dheeraj Reddy Mandadi, Ramu Panayappan,	
This declaration is directed to:	
igstyle igstyle the attached application; or	
United States Patent Application	number filed on; or
PCT International Application nur	mber filed on
The above-identified application was made o	or authorized to be made by me.
I believe that I am the original inventor or an application.	original joint inventor of a claimed Invention in the
I have reviewed and understand the contents	s of the above-identified application, and acknowledge
the duty to disclose to the US Patent & Trade	Client Docket No. P71338-US01 OMATICALLY MAPPING BINARY EXECUTABLE FILES TO SOURCE CODE BY A PATION SYSTEM ang, Raviprasad V Mummidi, Bharath Bhoopalam, Vijay Dheeraj Reddy (appan,) ntor, I hereby declare that: sted to: sted application; or ses Patent Application number filed on; or ational Application number filed on; or polication was made or authorized to be made by me. Priginal inventor or an original joint inventor of a claimed Invention in the derstand the contents of the above-identified application, and acknowledge the US Patent & Trademark Office all information known to me to be billity as defined in 37 CFR 1.56. That any willful false statement made in this declaration is punishable under imprisonment of not more than five (5) years, or both.
material to the patentability as defined in 37	CFR 1.56.
I hereby acknowledge that any willful false st	Client Docket No. P71338-US03 Invention: AUTOMATICALLY MAPPING BINARY EXECUTABLE FILES TO SOURCE CODE BY A VARE MODERNIZATION SYSTEM Ors: Jiangtao Zhang, Raviprasad V Mummidi, Bharath Bhoopalam, Vijay Dheeraj Reddy adi, Ramu Panayappan, RATION Blow named inventor, I hereby declare that: Inclaration is directed to: Inclaration i
18 USC 1001 by fine or imprisonment of not r	
سسر DocuSigned by:	
/Ramu Painayappain/	Client Docket No. P71338-US01 DMATICALLY MAPPING BINARY EXECUTABLE FILES TO SOURCE CODE BY A ATION SYSTEM Ing, Raviprasad V Mummidi, Bharath Bhoopalam, Vijay Dheeraj Reddy appan, tor, I hereby declare that: ed to: I application; or Is Patent Application number filed on; or ional Application number filed on Dilication was made or authorized to be made by me. Isiginal inventor or an original joint inventor of a claimed Invention in the erstand the contents of the above-identified application, and acknowledge are US Patent & Trademark Office all information known to me to be idlity as defined in 37 CFR 1.56. at any willful false statement made in this declaration is punishable under imprisonment of not more than five (5) years, or both.
Ramu Panayappan	
October 15, 2020	
Date	

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