

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

Assignment ID: PATI413553

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	LINC GLOBAL, INC.	02/28/2024
RECEIVING PARTY DATA		
Company Name:	RS1Needle, Inc.	
Street Address:	951 20th Street	
Internal Address:	#540	
City:	Denver	
State/Country:	COLORADO	
Postal Code:	80201	
PROPERTY NUMBERS Total: 6		
Property Type	Number	
Application Number:	62862128	
Application Number:	16528926	
Application Number:	16853527	
Application Number:	17181013	
Application Number:	17303783	
Application Number:	17572801	
CORRESPONDENCE DATA		
Fax Number:	7205364900	
<i>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.</i>		
Phone:	(720)536-4905	
Email:	yoriko@nodiqlaw.com	
Correspondent Name:	Neugeboren O'Dowd PC	
Address Line 1:	726 Front Street	
Address Line 2:	Suite 220	
Address Line 4:	Louisville, COLORADO 80027	
ATTORNEY DOCKET NUMBER:	2303.1000	
NAME OF SUBMITTER:	RENE ROSKAM	
SIGNATURE:	RENE ROSKAM	
DATE SIGNED:	08/22/2024	

PATENT

Total Attachments: 9

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INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

THIS INTELLECTION PROPERTY ASSIGNMENT AGREEMENT (this “**IP Assignment**”) is made and entered into as of February 28, 2024, by and between **RS1NEEDLE, INC.**, a Delaware corporation (“**Buyer**”) and **LINC GLOBAL, INC.**, a Delaware corporation (the “**Seller**”), pursuant to that certain Asset Purchase Agreement, dated February 28, 2024, between Buyer and Seller (the “**Purchase Agreement**”). Capitalized terms used but not defined herein shall have the meanings ascribed to them in the Purchase Agreement.

ARTICLE I

WHEREAS, pursuant to the Purchase Agreement and effective as of the date hereof, the Seller has agreed to sell, transfer, convey, assign, and deliver to Buyer, and Buyer has agreed to purchase and accept from the Seller, among certain other assets, all of the Seller’s right, title and interest in, to and under all Assigned Intellectual Property, in exchange for the purchase price described in the Purchase Agreement, and subject to all other terms and conditions of the Purchase Agreement; and

WHEREAS, pursuant to Section 1.1(c) of the Purchase Agreement, the parties hereto wish to evidence such sale, transfer, conveyance, assignment and delivery of the Assigned Intellectual Property in this IP Assignment.

NOW, THEREFORE, in consideration of the mutual promises, covenants and agreements contained in this IP Assignment and the Purchase Agreement and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows as of the date hereof:

Section 1. Assignment. The Seller hereby irrevocably sells, transfers, conveys, assigns and delivers to Buyer all of the Seller’s right, title and interest in, to and under the Assigned Intellectual Property, including but not limited to the assigned IP Registrations set forth on **Schedule A** attached hereto and incorporated hereby, and any goodwill associated therewith, free and clear of any Encumbrances (other than Permitted Encumbrances), and subject to the conditions and limitations set forth in the Purchase Agreement. The Seller expressly assigns to Buyer the right to sue on its own behalf for present and future infringement of the aforementioned Assigned Intellectual Property and to retain all proceeds thereof. Buyer hereby purchases, receives and accepts from the Seller all of the Seller’s rights, title and interest in and to the Assigned Intellectual Property, including but not limited to, the right to sue on its own behalf for present and future infringement of the aforementioned Assigned Intellectual Property and to retain all proceeds thereof, free and clear of any Encumbrances (other than Permitted Encumbrances), upon the terms of, and subject to the conditions and limitations set forth in, the Purchase Agreement.

Section 2. Recordation and Further Actions. The Seller authorizes the Commissioner for Patents, the Commissioner for Trademarks and the Register of Copyrights and

any other Governmental Entities to record and register this IP Assignment upon request by Buyer and issue any letters related thereto. The Seller agrees to execute and deliver such additional documents, instruments, conveyances and assurances and take such further actions as may be reasonably required to carry out the provisions hereof and give effect to the transactions contemplated by this IP Assignment. Without limiting the foregoing, the Seller agrees that, upon request by Buyer, the Seller will do such lawful acts, including the execution of papers, that may be reasonably required for obtaining, sustaining, reissuing, or enforcing the Assigned Intellectual Property in Buyer's name in the United States and throughout the world, and for perfecting, recording, or maintaining the title of Buyer, and Buyer's successors and assigns, in and to the Assigned Intellectual Property in the United States and throughout the world. In the event that Buyer is unable for any reason to secure the Seller's signature to any document that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing the Assigned Intellectual Property in the United States and throughout the world, or for perfecting, recording, or maintaining the title of Buyer, and Buyer's successors and assigns, in and to the Assigned Intellectual Property in the United States and throughout the world, the Seller hereby irrevocably designates and appoints Buyer and Buyer's duly authorized officers and agents as the Seller's agents and attorneys-in-fact to act for and on the Seller's behalf to execute any such document, all with the same legal force and effect as if executed by the Seller.

Section 3. Terms of the Purchase Agreement. The terms of the Purchase Agreement, including, but not limited to, the representations, warranties, covenants, agreements and indemnities set forth therein, are incorporated herein by this reference. In the event of any conflict or inconsistency between the terms of the Purchase Agreement and the terms of this IP Assignment, the terms of the Purchase Agreement shall govern.

Section 4. Counterparts. This IP Assignment may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement. A signed copy of this IP Assignment delivered by facsimile, e-mail or other means of electronic transmission (including DocuSign) shall be deemed to have the same legal effect as delivery of an original signed copy of this IP Assignment.

Section 5. Successors and Assigns. This IP Assignment shall be binding upon and inure to the benefit of the parties hereto and their respective successors, legal representatives and assigns.

Section 6. Governing Law. This IP Assignment shall be governed by and construed in accordance with the internal laws of the State of Delaware, without giving effect to any choice or conflict of law provision or rule that would cause the application of the laws of any other jurisdiction, and without reference to any rules of construction regarding the party responsible for the drafting hereof.

[SIGNATURE PAGES FOLLOW]


IN WITNESS WHEREOF, the parties hereto have caused this **INTELLECTION PROPERTY ASSIGNMENT AGREEMENT** to be executed as of the date first written above.

SELLER:

BUYER:

LINC GLOBAL, INC.

RS1NEEDLE, INC.

DocuSigned by:

By: Fang Cheng
Name: Fang Cheng
Title: CEO

By: _____
Name: _____
Title: _____

IN WITNESS WHEREOF, the parties hereto have caused this **INTELLECTION PROPERTY ASSIGNMENT AGREEMENT** to be executed as of the date first written above.

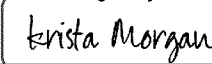
SELLER:

BUYER:

LINC GLOBAL, INC.

RS1NEEDLE, INC.

By: _____
Name: _____
Title: _____

DocuSigned by:
By: 
Name: Krista Morgan
Title: Gp

SCHEDULE A
ASSIGNED IP REGISTRATIONS

[see attached]

								https://www.freepatentsonline.com/2016/0100001.html	https://patents.google.com/patent/US20160100001A1/en			A system for a virtual assistant platform, comprising: at least one memory device that stores computer-executable instructions; and at least one processor configured to access the memory device, wherein the processor is configured to execute the computer-executable instructions to implement: a natural language understanding (NLU) module to generate a parsed user input from one or more utterances received from a user; a plurality of information agents to obtain at least one information value from the parsed user input and/or contextual data; a plurality of action agents to perform one or more actions in response to the parsed user input, the contextual data, and/or the at least one information value, wherein the plurality of information agents to obtain at least one information value from a parsed user input and/or contextual data from one or more contextual data sources, wherein the parsed user input is generated from one or more utterances received from a user; a plurality of information agents to perform one or more actions in response to the parsed user input, the contextual data, and/or the at least one information value; and	The present invention is an action agent architecture in a scalable multi-service virtual assistant platform that can construct a fluid and dynamic dialogue by assembling responses to end user utterances from two kinds of agents, information agents and action agents. A plurality of information agents obtain at least one information value from a parsed user input and/or contextual data. A plurality of action agents perform one or more actions in response to the parsed user input, the contextual data, and/or the information value. A masterbot arbitrates an activation of the plurality of information agents and the plurality of action agents. The masterbot comprises access to a machine-learning module to select an appropriate action agent, where one or more information agents are activated based on the selected appropriate action agent.	3	20	
3	US	<u>INC-100</u>	<u>17/181,013</u>	<u>02/22/2021</u>	<u>11031001</u>	<u>06/08/2021</u>	Issued	Action Agent Architecture in a Scalable Multi-Service Virtual Assistant Platform	https://www.freepatentsonline.com/2016/0100001.html	https://patents.google.com/patent/US20160100001A1/en	https://patentcenter.uspto.gov/applications/17572801	<u>02/23/2021</u>	a natural language understanding (NLU) module to generate a parsed user input from one or more utterances received from a user; a plurality of information agents to obtain at least one information value from the parsed user input and/or contextual data; a plurality of action agents to perform one or more actions in response to the parsed user input, the contextual data, and/or the at least one information value, wherein the plurality of information agents to obtain at least one information value from a parsed user input and/or contextual data from one or more contextual data sources, wherein the parsed user input is generated from one or more utterances received from a user; a plurality of information agents to perform one or more actions in response to the parsed user input, the contextual data, and/or the at least one information value; and	The present invention is an action agent architecture in a scalable multi-service virtual assistant platform that can construct a fluid and dynamic dialogue by assembling responses to end user utterances from two kinds of agents, information agents and action agents. A plurality of information agents obtain at least one information value from a parsed user input and/or contextual data. A plurality of action agents perform one or more actions in response to the parsed user input, the contextual data, and/or the information value. A masterbot arbitrates an activation of the plurality of information agents and the plurality of action agents. The masterbot comprises access to a machine-learning module to select an appropriate action agent, where one or more information agents are activated based on the selected appropriate action agent.	3	20
4	US	<u>INC-100</u>	<u>17/303,783</u>	<u>06/07/2021</u>	<u>11222629</u>	<u>01/11/2022</u>	Issued	Masterbot Architecture in a Scalable Multi-Service Virtual Assistant Platform	https://www.freepatentsonline.com/2016/0100001.html	https://patents.google.com/patent/US20160100001A1/en	https://patentcenter.uspto.gov/applications/17303783	<u>06/08/2021</u>	at least one memory device that stores computer-executable instructions; and at least one processor configured to access the memory device, wherein the processor is configured to execute the computer-executable instructions to implement: a plurality of information agents to obtain at least one information value from a parsed user input and/or contextual data from one or more contextual data sources, wherein the parsed user input is generated from one or more utterances received from a user; a plurality of action agents to perform one or more actions in response to the parsed user input, the contextual data, and/or the at least one information value; and	The present invention is a masterbot architecture in a scalable multi-service virtual assistant platform that can construct a fluid and dynamic dialogue by assembling responses to end user utterances from two kinds of agents, information agents and action agents. A plurality of information agents obtain at least one information value from a parsed user input and/or contextual data. A plurality of action agents perform one or more actions in response to the parsed user input, the contextual data, and/or the information value. A masterbot arbitrates an activation of the plurality of information agents and the plurality of action agents. The masterbot comprises an action agent selector module to select an appropriate action agent; a prerequisite validator module to validate that one or more prerequisite conditions of the selected action agent have been met; and an action invocation module to perform one or more selected actions of the selected	3	20
5	US	<u>INC-100</u>	<u>17/572,801</u>	<u>01/11/2022</u>	<u>11417320</u>	<u>08/16/2022</u>	Issued	Scalable Multi-Service Virtual Assistant Platform Using Machine Learning	https://www.freepatentsonline.com/2016/0100001.html	https://patents.google.com/patent/US20160100001A1/en	https://patentcenter.uspto.gov/applications/17572801	<u>01/12/2022</u>	or more contextual data sources, wherein the parsed user input is generated from one or more utterances received from a user; a plurality of action agents to perform one or more actions in response to the parsed user input, the contextual data, and/or the at least one information value; and	The present invention is a masterbot architecture in a scalable multi-service virtual assistant platform that can construct a fluid and dynamic dialogue by assembling responses to end user utterances from two kinds of agents, information agents and action agents. A plurality of information agents obtain at least one information value from a parsed user input and/or contextual data. A plurality of action agents perform one or more actions in response to the parsed user input, the contextual data, and/or the information value. A masterbot arbitrates an activation of the plurality of information agents and the plurality of action agents. The masterbot comprises access to a machine-learning module to select an appropriate action agent, where one or more information agents are activated based on the selected appropriate action agent.	3	20

								https://patents.google.com/patent/CA3142624C/en?q=3142624		https://worldwide.espacenet.com/patent/search/family/0/2850/9/publication/CA3142624A1?q=pin%3DCA3142624A1	Recorded by	A system for a virtual assistant platform, comprising: at least one memory device that stores computer-executable instructions; and at least one processor configured to access the memory device, wherein the processor is configured to execute the computer-executable instructions to: receive one or more utterances from a user; generate a parsed user input from the one or more utterances using a natural language understanding (NLU) module; obtain at least one information value from the parsed user input and/or contextual data using a plurality of information agents; perform one or more actions in response to the parsed user input, the contextual data, and/or the at least one information value	The present invention is a scalable multi-service virtual assistant platform that can construct a fluid and dynamic dialogue by assembling responses to end user utterances from two kinds of agents, information agents and action agents. The information agents and action agents are managed by a masterbot or arbiter. The virtual assistant can gain new skills by getting instructions about a new service expressed in a form of pre-requisites and action combinations. The virtual assistant platform automatically handles dialogue generation, arbitration and optimization to survey pre-requisites from the end user, and eventually to take action. The present invention allows a large number of building blocks. These building blocks can be used to assemble a much larger number of services. In turn, each service can be delivered through a large variety of conversations with end users, enabling a fluid and	6	40	
6	CA	NC-1001	<u>3142624</u>	06/15/2020	3142624	11/01/2022	Issued	N/A								
								https://patents.google.com/patent/EP2963478A1/en?q=3963478		https://worldwide.espacenet.com/patent/search/family/0/202850/9/publication/EP2963478A1?q=EP20827373	Recorded by	A system for a virtual assistant platform, comprising: at least one memory device that stores computer-executable instructions; and at least one processor configured to access the memory device, wherein the processor is configured to execute the computer-executable instructions to: receive one or more utterances from a user; generate a parsed user input from the one or more utterances using a natural language understanding (NLU) module; obtain at least one information value from the parsed user input and/or contextual data using a plurality of information agents; perform one or more actions in response to the parsed user input, the contextual data, and/or the at least one information value	The present invention is a scalable multi-service virtual assistant platform that can construct a fluid and dynamic dialogue by assembling responses to end user utterances from two kinds of agents, information agents and action agents. The information agents and action agents are managed by a masterbot or arbiter. The virtual assistant can gain new skills by getting instructions about a new service expressed in a form of pre-requisites and action combinations. The virtual assistant platform automatically handles dialogue generation, arbitration and optimization to survey pre-requisites from the end user, and eventually to take action. The present invention allows a large number of building blocks. These building blocks can be used to assemble a much larger number of services. In turn, each service can be delivered through a large variety of conversations with end users, enabling a fluid and	6	40	
7	EP	NC-1001	<u>20827373</u>	06/15/2020	tbd	tbd	Pending	N/A								
								https://patents.google.com/patent/WO20200252127A1/en?q=2020%252127		https://patents.google.com/patent/WO20200252127A1/en?q=2020%252127	Recorded by	A system for a virtual assistant platform, comprising: at least one memory device that stores computer-executable instructions; and at least one processor configured to access the memory device, wherein the processor is configured to execute the computer-executable instructions to: receive one or more utterances from a user; generate a parsed user input from the one or more utterances using a natural language understanding (NLU) module; obtain at least one information value from the parsed user input and/or contextual data using a plurality of information agents; perform one or more actions in response to the parsed user input, the contextual data, and/or the at least one information value	The present invention is a scalable multi-service virtual assistant platform that can construct a fluid and dynamic dialogue by assembling responses to end user utterances from two kinds of agents, information agents and action agents. The information agents and action agents are managed by a masterbot or arbiter. The virtual assistant can gain new skills by getting instructions about a new service expressed in a form of pre-requisites and action combinations. The virtual assistant platform automatically handles dialogue generation, arbitration and optimization to survey pre-requisites from the end user, and eventually to take action. The present invention allows a large number of building blocks. These building blocks can be used to assemble a much larger number of services. In turn, each service can be delivered through a large variety of conversations with end users, enabling a fluid and	6	40	
8	WO	C-1001P	<u>US201378</u>	06/15/2020	-	-	Publishe	N/A		https://patentcenter.uspto.gov/applications/PC%2F14520%2E37814	06/24/2020	A system for a virtual assistant platform, comprising: at least one memory device that stores computer-executable instructions; and at least one processor configured to access the memory device, wherein the processor is configured to execute the computer-executable instructions to: receive one or more utterances from a user; generate a parsed user input from the one or more utterances using a natural language understanding (NLU) module; obtain at least one information value from the parsed user input and/or contextual data using a plurality of information agents; perform one or more actions in response to the parsed user input, the contextual data, and/or the at least one information value	The present invention is a scalable multi-service virtual assistant platform that can construct a fluid and dynamic dialogue by assembling responses to end user utterances from two kinds of agents, information agents and action agents. The information agents and action agents are managed by a masterbot or arbiter. The virtual assistant can gain new skills by getting instructions about a new service expressed in a form of pre-requisites and action combinations. The virtual assistant platform automatically handles dialogue generation, arbitration and optimization to survey pre-requisites from the end user, and eventually to take action. The present invention allows a large number of building blocks. These building blocks can be used to assemble a much larger number of services. In turn, each service can be delivered through a large variety of conversations with end users, enabling a fluid and	6	40	

9	US	INC-1001	62/862,128	06/16/2019	-	-	Expired	Methods and Systems for Deploying and Managing Scalable Multi-Service Virtual Assistant Platform	N/A	N/A	https://patentcenter.uspto.gov/applications/62862128	06/25/2019	A system for a multi-service virtual assistant platform, comprising: at least one memory device that stores computer-executable instructions; and at least one processor configured to access the memory device, wherein the processor is configured to execute the computer-executable instructions to implement a natural language understanding (NLU) module configured to receive one or more utterances from a user and generate computer-readable natural language input (NLI); a plurality of information agents configured to obtain an information unit from the NLU; a plurality of action agents configured to perform one or more actions in response	The present invention is a scalable multi-service virtual assistant platform that can construct a fluid and dynamic dialogue by assembling responses to end user utterances from two kinds of blocks or agents, information blocks and action blocks. The information blocks and action blocks are managed by a masterbot or arbiter. The virtual assistant can gain new skills by getting instructions about a new service expressed in a form of pre-requisites and action combinations; the virtual assistant platform automatically handles dialogue generation, arbitration and optimization to survey prerequisites from the end user, and eventually to take action. The present invention allows a large number of services to be implemented using a small number of building blocks; the information blocks and action blocks. These building blocks can be used to assemble a much larger number of services. In turn,	2	20
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