504989005 07/03/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YANDEX LLC	03/20/2018

RECEIVING PARTY DATA

Name:	YANDEX EUROPE AG	
Street Address:	WERFTESTRASSE 4	
City:	LUZERN	
State/Country:	SWITZERLAND	
Postal Code:	6005	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16026537	

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ATTORNEY DOCKET NUMBER:	40703-076
NAME OF SUBMITTER:	OLGA PAVLYUK
SIGNATURE:	/Olga Pavlyuk/
DATE SIGNED:	07/03/2018

Total Attachments: 2

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PATENT 504989005 REEL: 046262 FRAME: 0487

ASSIGNMENT

WHEREAS WE, YANDEX LLC, a company registered under the laws of Russian Federation, whose complete address is 16 Lva Tolstogo str., Moscow, 119021, Russian Federation (hereinafter referred to as the Assignor), is the current owner of the inventions for which applications for Letters Patent have been filed in Russian Federation, which applications are listed in Appendix A.

AND, WHEREAS Yandex Europe AG, a Public Company (Aktiengesellschaft), registered under the jurisdiction of Switzerland, registered in the trade register of the Kanton Luzern under CH-020.3.037.433-6, whose complete postal address is Werftestrasse 4, 6005 Luzern, Switzerland, (hereinafter referred to as the Assignee) desires to acquire the inventions and rights to file patent applications in all jurisdictions except for: (i) Russian Federation and (ii) all other member states of the Eurasian Patent Organization at the time of the signature of the present Assignment (hereinafter referred to as the Teritorry);

NOW THEREFORE, be it known that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which from the Assignee is hereby acknowledged, by these presents, we, the Assignor, have sold, assigned, transferred, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to these inventions and applications, and all divisions, and continuations thereof, and all Letters Patent that may be granted thereon, and all reissues thereof, and all rights to claim priority on these of such applications, and all applications for Letters Patent that may hereafter be filed for these inventions in the Territory and all Letters Patent that may be granted on these inventions in any jurisdiction of the Territory, and all extensions, renewals, and reissues thereof; and we hereby authorize and request the Commissioners of Patents (or other appropriate official whose duty it is to issue patents) of the United States, and any other country of the Territory, to issue Letters Patent for these inventions to the Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will communicate with the Assignee, its successors and assigns, any facts known to us respecting these inventions, testify in any legal proceedings, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to these inventions in said Assignee, its successors or assigns, execute all divisional, continuation, reissue, and re-examination applications, make all rightful oaths and generally do everything possible to aid the Assignee, its successors and assigns, to obtain and enforce proper patent protection for these inventions in any jurisdiction of the Territory, it being understood that any expense incident to the performance of the obligations of the present paragraph shall be borne by the Assignee, its successors, and assigns.

This Assignment may be executed in counterparts, all of which shall be considered one and the

GNED:

same agreement.

IN TESTIMONY WI

NAME: Andrey Mikharlovich Authorized signatory

YANDEX LUC Date of Signature: March 20, 2018

Place of Signature: Moscow

NAME: Alexander Alexandrovich

Martynov

Authorized signatory

YANDEX EUROPE AG

Date of Signature: March 20, 2018 Place of Signature: Moscow

> **PATENT** REEL: 046262 FRAME: 0488

APPENDIX A

List of RU Patent Applications

	1	T A thanking	Title
Docket Number	Application Date	Application Number	
2017-0004-SE-PD1-RU	12/15/2017	2017144042	METHODS AND SYSTEMS FOR GENERATING VALUES OF OVERALL EVALUATION CRITERION
2017-0015-HDWR-DD-RU	12/27/2017	2017506391	SPEAKER DEVICE
2017-0015-HDWR-PD1-RU	12/27/2017	2017146273	A DEVICE AND METHOD OF MODIFYING AN AUDIO OUTPUT OF THE DEVICE
2017-0016-INFS-PD1-RU	12/27/2017	2017146279	METHOD OF AND SYSTEM FOR AUTHORIZING USER TO EXECUTE ACTION IN ELECTRONIC SERVICE
2017-0021-SE-PD1-RU	12/27/2017	2017146274	METHOD FOR CORRECTING A MISTYPED WORD RESULTING FROM AT LEAST ONE OF AN INACCURATE KEYBOARD INPUT AND A WRONG KEYBOARD LAYOUT AND SYSTEM IMPLEMENTING THEREOF
2017-0022-SE-PD1-RU	12/07/2017	2017142709	METHOD OF AND SYSTEM FOR GENERATING A TRAINING SET FOR A MACHINE LEARNING ALGORITHM
2017-0023-SE-PD1-RU	12/27/2017	2017146276	METHOD AND SERVER FOR PREDICTING A QUERY-COMPLETION SUGGESTION FOR A PARTIAL USER-ENTERED QUERY
2017-0024-VR-PD1-RU	12/27/2017	2017146280	METHOD AND COMPUTER DEVICE FOR DETERMINING AN INTENT ASSOCIATED WITH A QUERY FOR GENERATING AN INTENT-SPECIFIC RESPONSE
2017-0028-HDWR-PD1-RU	11/30/2017	2017141734	METHOD OF CONTROLLING COOLING IN SERVER ROOM AND SYSTEM IMPLEMENTING THEREOF
2017-0029-BRO-DD-RU	07/18/2017	2017503423	DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE
2017-0030-VR-PD1-RU	12/29/2017	2017146889	METHOD AND COMPUTER DEVICE FOR SELECTING A CURRENT CONTEXT- SPECIFIC RESPONSE FOR A CURRENT USER QUERY
2017-0036-YDF-PD1-RU	12/06/2017	2017142558	METHOD OF AND SYSTEM FOR CONTROLLING INDUSTRIAL PROCESS USING A TRAINED MACHINE LEARNING ALGORITHM (MLA)
2017-0043-VR-PD1-RU	12/29/2017	2017146887	METHOD AND SYSTEM FOR TEXT-TO- SPEECH SYNTHESIS
2017-0047-SE-PD1-RU	12/29/2017	2017146884	METHOD AND SYSTEM OF TRANSLATING A SOURCE SENTENCE IN A FIRST LANGUAGE INTO A TARGET SENTENCE IN A SECOND LANGUAGE
2017-0052-SE-PD1-RU	12/29/2017	2017146890	METHOD OF AND SYSTEM FOR GENERATING ANNOTATION VECTORS FOR DOCUMENT
2017-0054-ADS-PD1-RU	11/30/2017	2017141735	METHOD OF AND SERVER FOR TRANSMITTING A PERSONALIZED MESSAGE TO A USER ELECTRONIC DEVICE

PATENT REEL: 046262 FRAME: 0489

RECORDED: 07/03/2018