

## PATENT ASSIGNMENT COVER SHEET

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<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	YANDEX.TECHNOLOGIES LLC	07/01/2019
<b>RECEIVING PARTY DATA</b>		
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<b>State/Country:</b>	RUSSIAN FEDERATION	
<b>Postal Code:</b>	119021	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
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<b>SIGNATURE:</b>	/Olga Pavlyuk/	
<b>DATE SIGNED:</b>	01/08/2020	
<b>Total Attachments: 3</b>		
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**ASSIGNMENT**

WHEREAS WE, **YANDEX TECHNOLOGIES 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 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 **Assignee**) desires to acquire the inventions and rights to file patent applications in all jurisdictions (hereinafter referred to as the **Territory**);

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 further covenant and agree that if necessary, the Assignee, its affiliates and its agents are hereby authorized to insert into the list of the countries, filing dates and serial numbers information about the countries, the filing dates and the serial numbers when known;

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 same agreement.

It is the express wish of the parties that this Assignment be drafted in English.

IN TESTIMONY WHEREOF, WE HAVE SIGNED:

  
NAME: **Andrey Mikhailovich Snigirev**  
Authorized signatory

  
**YANDEX, LLC**  
Date of Signature: **July 1, 2019**  
Place of Signature: **Moscow**

  
NAME: **Andrey Igorevich Styskin**  
Authorized signatory

  
**YANDEX TECHNOLOGIES, LLC**  
Date of Signature: **July 1, 2019**  
Place of Signature: **Moscow**

**APPENDIX A**

**List of Patent Applications**

Reference	Title	Application No	Filing Date
2017-0061-SE-PD1-RU	METHOD OF AND SYSTEM FOR UPDATING SEARCH INDEX DATABASE	2018140528	2018-11-16
2018-0004-SE-PD1-RU	METHOD AND SYSTEM FOR GENERATING AN OBJECT CARD	2018144179	2018-12-13
2018-0023-SE-PD1-RU	METHOD AND SYSTEM FOR BUILDING SEARCH INDEX USING MACHINE LEARNING ALGORITHM	2018144175	2018-12-13
2018-0033-SE-PD1-RU	METHOD OF AND SYSTEM FOR DETERMINING A NEXT STATE FOR A RECOMMENDATION BLOCK TO BE DISPLAYED IN WEB BROWSER	2018144180	2018-12-13
2018-0033-SE-PD2-RU	METHOD OF AND SYSTEM FOR SELECTIVELY PRESENTING A RECOMMENDATION BLOCK IN BROWSER APPLICATION	2018144181	2018-12-13
2018-0042-SE-PD1-RU	METHOD AND SYSTEM FOR STORING A PLURALITY OF DOCUMENTS	2018146458	2018-12-26
2018-0046-MAPS-PD1-RU	METHOD OF AND SERVER FOR GENERATING PARKING SUGGESTIONS TO BE DISPLAYED ON AN ELECTRONIC DEVICE	2018145552	2018-12-21
2018-0048-SE-PD1-RU	METHOD OF AND SERVER FOR GENERATING META-FEATURE FOR RANKING DOCUMENTS	2018144178	2018-12-13
2018-0049-SE-PD1-RU	METHOD OF AND SYSTEM FOR GENERATING TRAINING SET FOR MACHINE LEARNING ALGORITHM (MLA)	2018147501	2018-12-29
2018-0050-SE-PD1-RU	METHOD OF AND SYSTEM FOR GENERATING FEATURE FOR RANKING DOCUMENT	2018144177	2018-12-13
2018-0051-SE-PD1-RU	METHOD OF COMPLETING A TASK	2018140527	2018-11-16
2018-0061-SE-PD1-RU	METHOD AND SYSTEM FOR SCHEDULING I/O OPERATIONS FOR EXECUTION	2018144176	2018-12-13
2018-0066-SE-PD1-RU	METHOD AND SYSTEM FOR PROCESSING REQUEST IN DISTRIBUTED DATABASE	2018136221	2018-10-15
2018-0067-SE-PD1-RU	METHOD AND SYSTEM FOR SCHEDULING I/O OPERATIONS FOR PROCESSING	2018145551	2018-12-21
2018-0068-SE-PD1-RU	METHOD AND DISTRIBUTED COMPUTER SYSTEM FOR PROCESSING DATA	2018147497	2018-12-29
2018-0074-MAPS-PD1-RU	METHOD OF AND SYSTEM FOR PRESENTING POINTS OF INTEREST TO USER ON MAP	2018147499	2018-12-29
2018-0077-ADS-PD1-RU	METHOD AND SYSTEM FOR ROUTING CALL FROM ELECTRONIC DEVICE	2018144802	2018-12-18
2018-0078-ADS-PD1-RU	METHOD AND SYSTEM FOR ASSIGNING NUMBER FOR ROUTING CALL FROM ELECTRONIC DEVICE	2018146456	2018-12-26
2018-0084-ADS-PD1-RU	METHOD AND SYSTEM FOR DETERMINING FACT OF VISIT OF USER TO POINT OF INTEREST	2018146463	2018-12-26
2018-0085-ADS-PD1-RU	METHOD AND SYSTEM FOR DETERMINING FACT OF VISIT OF USER TO POINT OF INTEREST	2018146461	2018-12-26
2017-0049-SE-PD1-RU	METHOD OF AND SYSTEM FOR CLUSTERING DOCUMENTS/RU	2019103571	2019-02-08

2018-0028-BRO-PD1-RU	METHOD AND SERVER FOR TRAINING A MACHINE LEARNING ALGORITHM FOR TRANSLATION	2019105798	2019-02-28
2018-0036-SE-PD1-RU	METHOD OF AND SERVER FOR RETRAINING MACHINE LEARNING ALGORITHM	2019111281	2019-04-15
2018-0071-SE-PD1-RU	METHOD AND SYSTEM FOR TRANSMITTING A MESSAGE	2019103253	2019-02-06
2018-0081-ADS-PD1-RU	METHOD AND SYSTEM FOR PROVIDING RECOMMENDED DIGITAL CONTENT ITEM TO ELECTRONIC DEVICE	2019103256	2019-02-06
2018-0082-ADS-PD1-RU	METHOD AND SYSTEM FOR PROVIDING A RECOMMENDED DIGITAL CONTENT ITEM	2019103257	2019-02-06
2018-0089-SE-PD1-RU	METHOD AND SYSTEM FOR DETERMINING RESULT FOR TASK EXECUTED IN CROWD-SOURCED ENVIRONMENT	2019111283	2019-04-15
2018-0086-SE-PD1-RU	METHOD AND SYSTEM FOR DETERMINING RESULT FOR TASK EXECUTED IN CROWD-SOURCED ENVIRONMENT	2019116267	2019-05-27
2018-0093-OTHR-PD1-RU	METHOD OF AND SYSTEM FOR GENERATING WEATHER FORECAST	2019108456	2019-03-25
2019-0023-ADS-PD1-RU	METHOD OF AND SERVER FOR TRANSMITTING TARGETED MESSAGE TO USER ELECTRONIC DEVICE	2019112781	2019-04-25
2018-0095-ADS-DD2-RU	GRAPHICAL INTERFACE	2019502618	2019-06-20
2018-0095-ADS-DD1-RU	GRAPHICAL INTERFACE	2019502175	2019-05-24
2019-0007-SE-PD1-RU	METHOD OF AND SYSTEM FOR GENERATING SEARCH QUERY COMPLETION SUGGESTION ON SEARCH ENGINE	2019119102	2019-06-19
2019-0014-SE-PD1-RU	METHOD AND SYSTEM OF TRANSLATING A SOURCE PHRASE IN A FIRST LANGUAGE INTO A TARGET PHRASE IN A SECON	2019119101	2019-06-19
2019-0014-SE-DD-RU	GRAPHICAL INTERFACE	2019502619	2019-06-20