506383710 12/03/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
QUENTIN GRAIL	09/04/2020
JULIEN PEREZ	07/09/2020

RECEIVING PARTY DATA

Name:	NAVER CORPORATION
Street Address:	6 BULJEONG-RO, BUNDANG-GU, SEONGNAM-SI,
City:	GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	13561

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	17015501
Application Number:	62971100

CORRESPONDENCE DATA

Fax Number: (248)641-0270

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.

Phone: 2486411600

Email: hprovost@hdp.com

Correspondent Name: HARNESS, DICKEY & PIERCE, P.L.C.

Address Line 1: P.O. BOX 828

Address Line 4: BLOOMFIELD HILLS, MICHIGAN 48303

ATTORNEY DOCKET NUMBER:	17951-000021-US
NAME OF SUBMITTER:	HOLLY PROVOST
SIGNATURE:	/Holly Provost/
DATE SIGNED:	12/03/2020

Total Attachments: 4

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PATENT 506383710 REEL: 054535 FRAME: 0787

ASSIGNMENT

WHEREAS, the undersigned are named inventors (collectively hereinafter "Assignor") on a United States patent application entitled LATENT QUESTION REFORMULATION AND INFORMATION ACCUMULATION FOR MULTI-HOP MACHINE READING (hereinafter "Application") for inventions disclosed or claimed therein (hereinafter "Invention(s)"), which Application:

\boxtimes	is being executed concurrently herewith; or
	was first executed on; or
	was filed on, and assigned Serial No; and
M	claims the benefit of U.S. Provisional Application(s) No(s) 62/971,100, filed February
	6. 2020.

WHEREAS, **Naver Corporation**, with offices at 6 Buljeong-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, 13561, Republic of Korea, and its successors and assigns (collectively hereinafter "Assignee") is desirous of obtaining all right, title, and interest in the Application and the Invention(s).

NOW, THEREFORE, for US\$1 and other good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, foreign countries, and international conventions, to the Application, the Invention(s) as described in the Application, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the Application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and any provisional applications for which priority is claimed in the Application, and all copyright rights throughout the world in the Application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this Assignment not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights.

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, any derivation proceedings relating thereto, and as to Letters Patent any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof.

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

Assignor hereby grant(s) the attorneys of record in this Application the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Page 1 of 2

Attorney Docket No. 17951-000021-US Naver Ref No. 2019-inv-0000055

IN TESTIMONY WHEREOF, this Assignment is executed on the date(s) set forth below:

/Quentin Grail/	September 4, 2020
Quentin GRAIL	Date
- 10 AF 1 A 10 A 10 A 10 A 10 A 10 A 10 A	A set on the
Julien PEREZ	Date

2480309513

ASSIGNMENT

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\boxtimes	is being executed concurrently herewith; or
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M	claims the benefit of U.S. Provisional Application(s) No(s) 62/971,100, filed February
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NOW, THEREFORE, for US\$1 and other good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, foreign countries, and international conventions, to the Application, the Invention(s) as described in the Application, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the Application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and any provisional applications for which priority is claimed in the Application, and all copyright rights throughout the world in the Application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this Assignment not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights.

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, any derivation proceedings relating thereto, and as to Letters Patent any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof.

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

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Page 1 of 2

Attorney Docket No. 17951-000021-US Naver Ref No. 2019-inv-0000055

IN TESTIMONY WHEREOF, this Assignment is executed on the date(s) set forth below:

Quentin GRAIL	Date
/ Julien Perez/	07/09/20
Julien PEREZ	Date

2480309513

RECORDED: 12/03/2020

Page 2 of 2

PATENT REEL: 054535 FRAME: 0791