PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VIKRAM SRINIVASAN	03/22/2020
SRINIVASAN SESHADRI	02/18/2020
RICHARD WANG	03/20/2020

RECEIVING PARTY DATA

Name:	TARGET BRANDS, INC.	
Street Address: 1000 NICOLLET MALL		
City:	MINNEAPOLIS	
State/Country:	MINNESOTA	
Postal Code:	55403	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16366949

CORRESPONDENCE DATA

Fax Number: (612)332-9081

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: 612-696-1331

Email: USPTO.Mail@target.com
Correspondent Name: ANDREW J. LAGATTA
Address Line 1: TARGET BRANDS, INC.

Address Line 2: 1000 NICOLLETT MALL, TPS-3165
Address Line 4: MINNEAPOLIS, MINNESOTA 55403

ATTORNEY DOCKET NUMBER:	16386-25US01-201802703
NAME OF SUBMITTER:	ANDREW J. LAGATTA
SIGNATURE:	/Andrew J. Lagatta/
DATE SIGNED:	03/26/2020

Total Attachments: 4

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ASSIGNMENT

WHEREAS, We, Vikram Srinivasan, Srinivasan Seshadri, and Richard Wang, made certain new and useful inventions and improvements for which we filed the following application(s) with the United States Patent and Trademark Office: U.S. Patent Application Serial No. 16/366,949 filed on March 27, 2019 entitled CLASSIFICATION OF QUERY TEXT TO GENERATE RELEVANT QUERY RESULTS.

AND WHEREAS, Target Brands, Inc., a corporation organized and existing under and by virtue of the laws of the State of Minnesota, and having an office and place of business at 1000 Nicollet Mall, Minneapolis, MN 55403 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and the right(s) to claim priority thereto, and in and to the application, all patent applications based upon said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and

PATENT REEL: 052234 FRAME: 0727 generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be

AND, furthermore we coverant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by us.

	IN TESTIMONY WHE	REOF, I have hereunto set my hand this [22]	day of
Masse	,20	12	
		Vikram Srinivasan Inventor	
	IN TESTIMONY WHE	REOF , I have hereunto set my hand this	_day of
		Srinivasan Seshadri Inventor	
	IN TESTIMONY WHE	REOF, I have hereunto set my hand this	_day of
		Richard Wang Inventor	
	Read and approved this	26th day of March 20 by	
		Ryan Strom Director Counsel & Authorized Signatory	
		Target Brands, Inc.	

PATENT REEL: 052234 FRAME: 0728 generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by us.

	IN TESTIMONY WHEI	REOF, I have hereunto set my hand this day of
		Vikram Srinivasan Inventor
Ebruary	IN TESTIMONY WHEI	REOF, I have hereunto set my hand this
		Srinivasan Seshadri Inventor
	IN TESTIMONY WHEF	REOF, I have hereunto set my hand this day of
	8.	Richard Wang Inventor
	Read and approved this	day of, 20 by:
		Ryan Strom Director Counsel & Authorized Signatory Target Brands, Inc.

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	IN TESTIMONY WHE 20	REOF , I have hereunto set my hand thisd	lay of
		Vikram Srinivasan Inventor	
	IN TESTIMONY WHE 20	REOF , I have hereunto set my hand this d	lay of
		Srinivasan Seshadri Inventor	
March	IN TESTIMONY WHE	REOF, I have hereunto set my hand this 20th d Richard Wang	lay of
		Inventor	
	Read and approved this 2	Ryen e. March , 2020 by:	
		Ryan Strom Director Counsel & Authorized Signatory Target Brands, Inc.	

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RECORDED: 03/26/2020