PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GANGADHAR JAKKULA	04/16/2020
JEAN GUERRETTAZ	05/27/2020
JOHN CHARLES COUGHLIN	04/19/2023
PAUL CHIMENTI	05/20/2020
JIJI SADASIVAKURUP	05/24/2020
KIMBERLY I. GILBERTI	12/18/2020
SAMANTHA M. MOWRER	04/16/2020
MOLLY POPPIE	08/15/2022

RECEIVING PARTY DATA

Name:	THE NIELSEN COMPANY (US), LLC
Street Address:	85 BROAD STREET
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10004

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	62953032
Application Number:	17200420
Application Number:	17848091
PCT Number:	US2066689

CORRESPONDENCE DATA

Fax Number: (312)580-9696

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: 3125801020

Email: kjulian@hfzlaw.com

Correspondent Name: HANLEY, FLIGHT & ZIMMERMAN, LLC

Address Line 1: 150 S. WACKER DRIVE

Address Line 2: SUITE 2200

Address Line 4: CHICAGO, ILLINOIS 60606

507864634 PATENT REEL: 063407 FRAME: 0851

ATTORNEY DOCKET NUMBER:	20004/81180730US02
NAME OF SUBMITTER:	WILLIAM E. JACKLIN
SIGNATURE:	/William E. Jacklin/
DATE SIGNED:	04/20/2023

Total Attachments: 11

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PATENT REEL: 063407 FRAME: 0852

ASSIGNMENT

Serial No: 62/953,032 Filed: December 23, 2019

Title: UNDER-ADDRESSABLE ADVERTISEMENT MEASUREMENT

For good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, the undersigned Assignor(s) hereby assign to The Nielsen Company (US), LLC, a Delaware Limited Liability Company, 85 Broad Street, New York, New York 10004, United States of America, (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention(s) and/or improvements of the undersigned disclosed in the application for Patent identified above, and in said application and any and all other applications, United States, international and/or foreign, which the undersigned Assignor(s) or the Assignee may file, either solely or jointly with others, on said invention(s) and/or improvements, and in any and all Patent(s), which may be obtained on any of said application(s) anywhere in the world, and in any reissue(s) or extension(s) thereof. This assignment includes all rights associated with said application(s) and the underlying inventions including, without limitation, all patent right(s) in any and all countries and all right(s) to claim priority to and/or from said application(s) in any and all countries. No rights whatsoever are reserved to the undersigned Assignor(s), but instead all rights are hereby transferred to the Assignee and the Assignee hereby accepts all such rights. This assignment is governed by the Law of the State of Illinois, United States of America without regard to its choice of law provisions.

The undersigned Assignor(s) hereby authorize and request the Commissioner of Patents and Trademarks of the United States Patent and Trademark Office to issue any said Letters Patent(s) of the United States to said Assignee.

The undersigned Assignor(s) hereby authorize and request the appropriate governmental official(s) of the appropriate foreign patent Office(s) to issue any said foreign Patent(s) to said Assignee.

The undersigned Assignor(s) hereby authorize and request the attorneys of record in said application(s) to insert in this assignment the execution date and/or filing date and serial number of any such application(s) when officially known.

The undersigned Assignor(s) warrant themselves to be the owner of the interest(s) herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest(s) herein assigned.

For said consideration the undersigned Assignor(s) hereby agree, upon the request and at the expense of said Assignee, its successors and assigns, to execute any and all international, divisional, continuation, continuation-in-part and substitute applications for said

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inversion () or representations, and not required to all or all developing displaying and any are instituted in the research substitute of any Long. Copies that pay to ground agree, and especial const, and sore and all applicationers and other decisions for Paris to Green CONTROL OF SAID ASSOCIATED OF THE PROPERTY OF THE ASSOCIATION OF THE PROPERTY The deal receives or experient, and for each consultation the contribution of further agree upon the request of wall Asserber, the surveyors or an igns, to the request gree Application to a Principle and principles become property of property of the company of the first of the ability of the understand Assignment with out Assignment by surrounding new Core, to the matters of preparing and executing the preliminary statement and groups and producing evidence in import thereof, the molecularies Assigned hearthy name to perform 1740 Aquica, any 1750 all elformation acts to relate and Patrioty, beta forces discussed forcers, and was all rights therein basely conveyed to use Assegue, as successive and assigns, whereth said Picerals will be held and enjoyed by used Assignac, as successors and exacts, to the full cold of the econ for which and Palents, pay be gracked as bely and colors of the same would have been held and enjoyed by the indersigned if this acquiring and sole had not been made.

Assignor(s)

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Assignor(s)				
WITNESS my hand this_	27	day of	May	,2010.
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		ean Guerretta	MUSTE	twy
		Jean Guerretta	az	

Assignments

WITNESS MY AMERICAN 19th any of April 2023

Little Company Com

PATENT REEL: 063407 FRAME: 0856 Assigner(s)

WITNESS my hand this

__day of

Paul E Mincy (

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Assistments)
WITNESS my hand this 24 day of May 2520

Siji Sadasiyakurup

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Page 6 of 11

Attorney Dicket No. 20004/811807300/S01 Assignments) WITNESS my band this // day of // Contribut 2000 to Page 7 of 11

Assignor(s)

WITNESS my hand this UHA

day of

Samantha M. Mowrer

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Assignor(s)		
WITNESS my hand this	day of	,
	Narasimha Reddy Goli	
	* * * * *	

Assignor(s)

WITNESS my hand this 15 day of August A 2000

* * * * *

Assignee:

WITNESS my hand this 21 day of December , 2020

Thomas Strous

Vice President and Intellectual Property Counsel On behalf of The Nielsen Company (US), LLC

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PATENT REEL: 063407 FRAME: 0863