06/06/2018 504947819

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4994566

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHAN OSKARSSON	06/05/2018
FREDRIK SCHMIDT	06/05/2018
LAWRENCE KENNEDY	06/04/2018
PETER JOHANSSON	05/30/2018
ADAM PRICE	05/31/2018
DANIEL CHOE	06/05/2018

RECEIVING PARTY DATA

Name:	SPOTIFY AB
Street Address:	REGERINGSGATAN 19
City:	STOCKHOLM
State/Country:	SWEDEN
Postal Code:	SE-111 53

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	15858863
Application Number:	62441323

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: 612-336-5300

Email: kwebber@merchantgould.com

Correspondent Name: BENJAMIN A. TRAMM

P.O. BOX 2903 Address Line 1:

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903

ATTORNEY DOCKET NUMBER:	04777.0030USU1
NAME OF SUBMITTER:	BENJAMIN A. TRAMM
SIGNATURE:	/Benjamin A. Tramm/
DATE SIGNED:	06/06/2018

PATENT REEL: 046006 FRAME: 0158

Total Attachments: 12 source=2018-06-06_Signed-Assignment_04777-0030USU1#page1.tif source=2018-06-06_Signed-Assignment_04777-0030USU1#page2.tif source=2018-06-06_Signed-Assignment_04777-0030USU1#page3.tif source=2018-06-06_Signed-Assignment_04777-0030USU1#page4.tif source=2018-06-06_Signed-Assignment_04777-0030USU1#page5.tif source=2018-06-06_Signed-Assignment_04777-0030USU1#page6.tif source=2018-06-06_Signed-Assignment_04777-0030USU1#page7.tif source=2018-06-06_Signed-Assignment_04777-0030USU1#page8.tif source=2018-06-06_Signed-Assignment_04777-0030USU1#page9.tif source=2018-06-06_Signed-Assignment_04777-0030USU1#page10.tif source=2018-06-06_Signed-Assignment_04777-0030USU1#page11.tif source=2018-06-06_Signed-Assignment_04777-0030USU1#page11.tif

PATENT REEL: 046006 FRAME: 0159

INSTRUCTIONS	ASSIGNMENT TO CORPORATION
	WHEREAS,
	 Johan Oskarsson residing in Stockholm, Sweden and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden; Fredrik Schmidt residing in Stockholm, Sweden and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden; Lawrence Kennedy residing in Stockholm, Sweden and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden; Peter Johansson residing in Stockholm, Sweden and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden; Adam Price residing in New York, NY, United States and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden; Daniel Choe residing in Brooklyn, NY, United States and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden; Daniel Choe residing in Brooklyn, NY, United States and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden;
Check the appropriate box and fill in the requested information: • select the first check box if the application is a national stage of a PCT application and provide the international application number and filing date before sending the assignment for execution; • select the second check box if the application will be filed without the executed assignment - once the assignment is executed and the serial number and filing date of the U.S. application are known, provide this information before recordation; • select the third check box if the application was previously filed and provide the serial number and filing date before sending the assignment for execution; or	(herein called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States entitled VEHICLE DETECTION FOR MEDIA CONTENT PLAYER CONNECTED TO VEHICLE MEDIA CONTENT PLAYER and which: □ is the national stage application of International Application No. filed on; □ claims priority to U.S. Provisional Patent Application No. 62/441,323 filed on December 31, 2016; □ will be filed without this executed PATENT ASSIGNMENT. THE UNDERSIGNED hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Merchant & Gould PC, who are associated with customer number 23552, to insert here in parenthesis (U.S. Serial No, filed) this application's U.S. Serial Number and filing date, when known; □ was filed on December 29, 2017 and was given U.S. Serial No. 15/858,863; or □ is filed concurrently herewith; including U.S. Provisional Application Serial No. 62/441,323; including International Patent Application No;

Spotify Ref. No. P1194US01

application Nume of Corporation A ST Specific All Common and A Section 1. Compared under State or County of Incorporation and Assistant Burger and the commencer of the commence are and all approvations which have been a shall be find in all countries for Extracts Patient on the local recognition and recognition are generally all regions and or right file and one end of any house constitution for the over of the Assistant Constitution National and House Factorist market size & Cale The state SIGNATURE Name (Control of the Control Signature

Signature

20180605

Name: Peter Johansson	Signature:	Date: 30/05/2018
Name: Ada <u>m Price</u>	Signatufe	Date:
Name: <u>Daniel Choe</u>	Signature:	Date:
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Read and a	proced this fly of	_,35 bs
	Sporify AB Assume	
	Synause	
	Name	

Title

INSTRUCTIONS ASSIGNMENT TO CORPORATION WHEREAS, Inventor(s) Name, Address, Citizenship 1. Johan Oskarsson residing in Stockholm, Sweden and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden: 2. Fredrik Schmidt residing in Stockholm, Sweden and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, 3. Lawrence Kennedy residing in Stockholm. Sweden and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm. Sweden: 4. Peter Johansson residing in Stockholm, Sweden and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, 5. Adam Price residing in New York, NY, United States and having a mailing address of c/o Spotify AB. Regeringsgatan 19, SE-111 53 Stockholm. 6. Daniel Choe residing in Brooklyn, NY, United States and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden: Check the appropriate box and (herein called "THE UNDERSIGNED") have made an invention and have fill in the requested information: executed an application for Letters Patent of the United States entitled VEHICLE DETECTION FOR MEDIA CONTENT PLAYER select the first check box CONNECTED TO VEHICLE MEDIA CONTENT PLAYER and which: if the application is a national stage of a PCT application and provide is the national stage application of International Application No. the international filed on application number and claims priority to U.S. Provisional Patent Application No. filing date before sending 62/441,323 filed on December 31, 2016; the assignment for will be filed without this executed PATENT ASSIGNMENT. execution: THE UNDERSIGNED hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Merchant & Gould PC, select the second check who are associated with customer number 23552, to insert here in box if the application will parenthesis (U.S. Serial No. be filed without the _) this application's U.S. Serial Number and executed assignment filing date, when known; once the assignment is was filed on <u>December 29, 2017</u> and was given U.S. Seriai No. executed and the serial 15/858,863; or number and filing date of is filed concurrently herewith; the U.S. application are known, provide this information before including U.S. Provisional Application Serial No. 62/441,323; recordation; including International Patent Application No. ____; select the third check box if the application was previously filed and provide the serial number and filing date before sending the assignment for execution; or select the fourth check box if the application will be filed with the

400	application.	***************************************		
	Name of Corporation	AND <u>Spotify AB</u> (herein called "ASSIGNEE"), a corporation organized under the laws of <u>Sweden</u> , and having an office and place of business at <u>Reseringsgatan 19, SE-111 53 Stockholm, Sweden</u>		
	State or Country of Incorporation and Address	wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;		
THE PARTY OF THE P		and valuable consideration, the receipt and sufficion acknowledged, THE UNDERSIGNED hereby set ASSIGNEE, its successors and assigns, the entire countries in and to the invention disclosed in the sithe right(s) to claim priority thereto, and in and to divisions, continuations, or renewals thereof, all Legranted therefrom, and all reissues or extensions of any and all applications which have been or shall betters Patent on the said invention including as at the provisions of the International Convention, and countries which may be granted therefrom; and The authorize and request the Commissioner of Patents States Letters Patent for the aforesaid invention to right, title and interest in and to the same, for the usuccessors and assigns. THE UNDERSIGNED hereby agree that THE UN executors and legal representatives will make, executoring including any and all further application parand other documents, and will communicate to said and representatives all facts known to THE UNDE invention and the history thereof and will testify in generally do all things which may be necessary or a ASSIGNEE, its successors or assigns the entire right the said invention, applications, Letters Patent, right and advantages hereby sold, assigned and conveyed THE UNDERSIGNED represent and agree with said and assigns, that no assignment grant, mortgage, licaffecting the rights and property herein conveyed hothers by THE UNDERSIGNED, and that full right others by THE UNDERSIGNED.	patent application and any 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 of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for all countries in and to the invention disclosed in the aforesaid application and all the right(s) to claim priority thereto, and in and to the 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 all countries for Letters Patent on the said invention including as assignment of all rights under the provisions of the International Convention, and all Letters Patent of all countries which may be granted therefrom; and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns. THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) 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 THE UNDERSIGNED relating to said nivention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, a	
Α	ach inventor must sign & date lote: No legalization or other			
	ritness required			
1. %	ame: <u>Johan Oskarsson</u>	Signature:	Date:	
N	sme: <u>Fredrik Schmidt</u>	Signature:	Date:	
Na	ime: <u>Lawrence Kennedy</u>	Signature:	Date:	
····		Harry Harry Walletter Wall Commencer	Tune 4,2018	

Name: Peter Johansson	Signature:	Date:
Name: Adam Price	Signature:	Date:
Name: Daniel Choe	Signature:	Date:

Read and approved this day of June .2010 by

Spotify AB Assignee

Signature:

Name:

Title:

Lawrence Kennedy

Er Product Mahager

INSTRUCTIONS ASSIGNMENT TO CORPORATION WHEREAS. Inventor(s) Name. Address, Citizenship 1. Johan Oskarsson residing in Stockholm, Sweden and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden: 2. Fredrik Schmidt residing in Stockholm, Sweden and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden; 3. Lawrence Kennedy residing in Stockholm, Sweden and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, 4. Peter Johansson residing in Stockholm, Sweden and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden; Adam Price residing in New York, NY, United States and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden; Daniel Choe residing in Brooklyn, NY, United States and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden; Check the appropriate box and (herein called "THE UNDERSIGNED") have made an invention and have fill in the requested information: executed an application for Letters Patent of the United States entitled VEHICLE DETECTION FOR MEDIA CONTENT PLAYER select the first check box **CONNECTED TO VEHICLE MEDIA CONTENT PLAYER and which:** if the application is a national stage of a PCT application and provide is the national stage application of International Application No. filed on the international claims priority to U.S. Provisional Patent Application No. application number and 62/441,323 filed on December 31, 2016; filing date before sending will be filed without this executed PATENT ASSIGNMENT. the assignment for execution: THE UNDERSIGNED hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Merchant & Gould PC, select the second check who are associated with customer number 23552, to insert here in box if the application will parenthesis (U.S. Serial No. , filed be filed without the) this application's U.S. Serial Number and executed assignment filing date, when known; once the assignment is was filed on <u>December 29, 2017</u> and was given U.S. Serial No. executed and the serial 15/858,863; or number and filing date of is filed concurrently herewith: the U.S. application are known, provide this information before including U.S. Provisional Application Serial No. 62/441,323: recordation: including International Patent Application No. _____; select the third check box if the application was previously filed and provide the serial number and filing date before

be filed with the

execution; or

sending the assignment for

select the fourth check box if the application will

REEL: 046006 FRAME: 0166

application.				
Name of Corporation	AND <u>Spotify AB</u> (herein called "ASSIGNEE"), a country the laws of <u>Sweden</u> , and having an office and place of <u>Regeringsgatan 19</u> , SE-111 53 Stockholm, Sweden			
State or Country of Incorporation and Address	wishes to acquire the entire right, title and interest in and to said invention and patent application and any 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 of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for all countries in and to the invention disclosed in the aforesaid application and all the right(s) to claim priority thereto, and in and to the 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 all countries for Letters Patent on the said invention including as assignment of all rights under the provisions of the International Convention, and all Letters Patent of all countries which may be granted therefrom; and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.			
	THE UNDERSIGNED hereby agree that THE UND executors and legal representatives will make, executharge but at the expense of the ASSIGNEE) any and writing including any and all further application paper and other documents, and will communicate to said and representatives all facts known to THE UNDER invention and the history thereof and will testify in a generally do all things which may be necessary or de ASSIGNEE, its successors or assigns the entire right the said invention, applications, Letters Patent, rights and advantages hereby sold, assigned and conveyed,	te and deliver (without d all other instruments in ers, affidavits, assignments ASSIGNEE, its successors SIGNED relating to said Il legal proceedings and esirable to vest the title and interest in and to s, titles, benefits, privileges		
	THE UNDERSIGNED represent 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 or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.			
	IN TESTIMONY WHEREOF, THE UNDERSIGNE hand on the dates indicated below.	D have hereunto set their		
Each inventor must sign & date Note: No legalization or other witness required	,			
Name: Johan Oskarsson	Signature:	Date:		
Name: Fredrik Schmidt	Signature:	Date:		
Name: Lawrence Kennedy	Signature:	Date:		

Name: Peter Johansson	Signature:		Date:
Name: Adam Price	Signature:	lden Pri	Date: 5/31/18
Name: Daniel Choe	Signature:		Date:
n 1 1	14.		
Read and approve	d this day	of, 20 by:	
		Spotify AB Assignee	
	Signature:		
	Name:		
	Title:		

REEL: 046006 FRAME: 0168

INSTRUCTIONS ASSIGNMENT TO CORPORATION WHEREAS, Inventor(s) Name, Address, Citizenship 1. **Johan Oskarsson** residing in Stockholm, Sweden and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden: Fredrik Schmidt residing in Stockholm, Sweden and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden: 3. Lawrence Kennedy residing in Stockholm, Sweden and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Peter Johansson residing in Stockholm, Sweden and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Adam Price residing in New York, NY, United States and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden: **Daniel Choe** residing in Brooklyn, NY, United States and having a mailing address of c/o Spotify AB, Regeringsgatan 19, SE-111 53 Stockholm, Sweden: Check the appropriate box and (herein called "THE UNDERSIGNED") have made an invention and have fill in the requested information: executed an application for Letters Patent of the United States entitled VEHICLE DETECTION FOR MEDIA CONTENT PLAYER select the first check box **CONNECTED TO VEHICLE MEDIA CONTENT PLAYER** and which: if the application is a national stage of a PCT application and provide is the national stage application of International Application No. the international filed on ____; ☐ claims priority to U.S. Provisional Patent Application No. application number and filing date before sending 62/441,323 filed on December 31, 2016; will be filed without this executed PATENT ASSIGNMENT. the assignment for THE UNDERSIGNED hereby authorizes, and requests, execution; ASSIGNEE'S legal representatives, of Merchant & Gould PC, select the second check who are associated with customer number 23552, to insert here in box if the application will parenthesis (U.S. Serial No. be filed without the) this application's U.S. Serial Number and executed assignment filing date, when known; once the assignment is was filed on **December 29, 2017** and was given U.S. Serial No. executed and the serial 15/858,863; or number and filing date of is filed concurrently herewith; the U.S. application are known, provide this information before including U.S. Provisional Application Serial No. 62/441,323; recordation; including International Patent Application No. ; select the third check box if the application was previously filed and provide the serial number and filing date before sending the assignment for execution; or select the fourth check box if the application will

be filed with the

Spotify Ref. No. P1194US01

application.				
Name of Corporation	AND <u>Spotify AB</u> (herein called "ASSIGNEE"), a co the laws of <u>Sweden</u> , and having an office and place of Regeringsgatan 19, SE-111 53 Stockholm, Sweden			
State or Country of Incorporation and Address	wishes to acquire the entire right, title and interest in and to said invention patent application and any 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 of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for all countries in and to the invention disclosed in the aforesaid application and all the right(s) to claim priority thereto, and in and to the 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 all countries for Letters Patent on the said invention including as assignment of all rights under the provisions of the International Convention, and all Letters Patent of all countries which may be granted therefrom; and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.			
	THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignment and other documents, and will communicate to said ASSIGNEE, its successor and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and the said invention, applications, Letters Patent, rights, titles, benefits, privilege and advantages hereby sold, assigned and conveyed, or intended so to be. THE UNDERSIGNED represent and agree with said ASSIGNEE its successor and assigns, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED have hereunto set their			
Each inventor must sign & date Note: No legalization or other	hand on the dates indicated below.			
witness required Name: Johan Oskarsson	Signature:	Date:		
	-			
Name: Fredrik Schmidt	Signature:	Date:		
Name: Lawrence Kennedy	Signature:	Date:		

Name: Peter Johansson	Signature:		Date:
Name: Adam Price	Signature:		Date:
Name: Daniel Choe	Signature:	5	Date: 06/05/2018
Read and approved this day of, 20 by: Spotify AB Assignee			
	Signature:		
	Name:		

Title:

RECORDED: 06/06/2018