506806492 08/06/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6853311

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VOJTECH HOLUB	06/10/2019
MATTHEW M. WEAVER	06/24/2019
OSAMA M. ALATTAR	06/26/2019
TOMAS FILLER	06/27/2019
HUGH L. BRUNK	07/01/2019
RAVI K. SHARMA	09/13/2019
WILLIAM Y. CONWELL	09/18/2019
JOHN D. LORD	08/03/2021

RECEIVING PARTY DATA

Name:	DIGIMARC CORPORATION
Street Address:	9405 SW GEMINI DRIVE
City:	BEAVERTON
State/Country:	OREGON
Postal Code:	97008

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17371964

CORRESPONDENCE DATA

(503)469-4771 Fax Number:

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: 5034694800

Email: lisa.parkinson@digimarc.com **DIGIMARC CORPORATION Correspondent Name:** Address Line 1: 9405 SW GEMINI DRIVE

Address Line 4: BEAVERTON, OREGON 97008

ATTORNEY DOCKET NUMBER:	P2852-R
NAME OF SUBMITTER:	LISA PARKINSON
SIGNATURE:	/Lisa Parkinson/

PATENT REEL: 057109 FRAME: 0552

506806492

DATE SIGNED:	08/06/2021
Total Attachments: 16	
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PATENT REEL: 057109 FRAME: 0553

WHEREAS, we, RAVI K. SHARMA, of Portland, State of Oregon, TOMAS FILLER of Beaverton, State of Oregon, VOJTECH HOLUB, of Beaverton, State of Oregon, OSAMA M. ALATTAR, of Tigard, State of Oregon, HUGH L. BRUNK, of Portland, State of Oregon, MATTHEW M. WEAVER, of Portland, State of Oregon, UTKARSH DESHMUKH, of Hillsboro, State of Oregon, and WILLIAM Y. CONWELL, of Portland, State of Oregon, have invented a certain invention, entitled IMPROVEMENTS CONCERNING DIGITAL MARKING AND READING OF PLASTIC ITEMS, USEFUL IN RECYCLING, for which we have made application for Letters Patent of the United States, said application having been filed by us on June 7, 2019, and assigned application no. 16/435,292; and

WHEREAS, DIGIMARC CORPORATION, a corporation organized under the laws of the State of Oregon, having a place of business at 9405 SW Gemini Drive, Beaverton, OR 97008, desires to acquire an interest therein:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, RAVI K. SHARMA, TOMAS FILLER, VOJTECH HOLUB, OSAMA M. ALATTAR, HUGH L. BRUNK, JOHN D. LORD, UTKARSH DESHMUKH and WILLIAM Y. CONWELL, hereby sell, assign and transfer to DIGIMARC CORPORATION, the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, continuations-in-part, reissues and extensions thereof, to be held and enjoyed by DIGIMARC CORPORATION, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to DIGIMARC CORPORATION, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid DIGIMARC CORPORATION, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

Executed at the place and date opposite our respective signatures below.

RAVI K. SHARMA	4		
At Beaverton	, Oregon		
	(City and	State)	
on this	day of	, 2019.	
TOMAS FILLER			
At Beaverton	, Oregon		
	(City and	State)	
on this	day of	. 2019.	

/Vojtech Holu	b/	
VOJTECH HOL	.UB	
At Beaverto	on, Oregon	
	(City and State)	
on this 10th	_ day of <u></u>	
	<u> </u>	
OSAMA M. ALA	ATTAR	
At Beaverto	on, Oregon	
	(City and State)	
on this	day of, 2019.	
	117	
HUGH L. BRUN		
At <u>Beaverto</u>	on, Oregon	
	(City and State)	
on this	day of, 2019.	
MATTHEW M.	WEAVER	
At		
	(City and State)	
on this	day of, 2019.	
UTKARSH DES	SHMIKH	
At Beaverto		
At <u>beavert</u>		
an thia	(City and State)	
on this	day of, 2019.	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	NA INACE I	
WILLIAM Y. CC		
At <u>Beaverto</u>	on, Oregon	
	(City and State)	
on this	day of , 2019.	

WHEREAS, we, RAVI K. SHARMA, of Portland, State of Oregon, TOMAS FILLER of Beaverton, State of Oregon, VOJTECH HOLUB, of Beaverton, State of Oregon, OSAMA M. ALATTAR, of Tigard, State of Oregon, HUGH L. BRUNK, of Portland, State of Oregon, MATTHEW M. WEAVER, of Portland, State of Oregon, UTKARSH DESHMUKH, of Hillsboro, State of Oregon, and WILLIAM Y. CONWELL, of Portland, State of Oregon, have invented a certain invention, entitled IMPROVEMENTS CONCERNING DIGITAL MARKING AND READING OF PLASTIC ITEMS, USEFUL IN RECYCLING, for which we have made application for Letters Patent of the United States, said application having been filed by us on June 7, 2019, and assigned application no. 16/435,292; and

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Executed at the place and date opposite our respective signatures below.

RAVI K. SHARMA	1		
At Beaverton,	Oregon		
	(City and	State)	
on this	_ day of	, 2019.	
			_
TOMAS FILLER			
At Beaverton,	Oregon		
	(City and	State)	
on this	day of	. 2019.	

VOJTECH HOLU	В	
At Beaverton	, Oregon	
	(City and State)	
on this	day of, 2019.	
	<u> </u>	
OSAMA M. ALAT	TAR	
At Beaverton		
	(City and State)	
on this	day of, 2019.	
	<u> </u>	
HUGH L. BRUNK		
At Beaverton		
	(City and State)	
on this	day of, 2019.	
/ Matthew M. We		
MATTHEW M. V	VEAVER	
At		
	(City and State)	
on this <u>24th</u> (day of <u>June,</u> 2019.	
UTKARSH DESH	IMUKH	
At Beaverton		
Boavoiton	(City and State)	
on this	day of, 2019.	
011 11113	day or, 2010.	
WILLIAM Y. CON	IMELI	
At <u>Beaverton</u>		
	(City and State)	
on this	day of . 2019.	

WHEREAS, we, RAVI K. SHARMA, of Portland, State of Oregon, TOMAS FILLER of Beaverton, State of Oregon, VOJTECH HOLUB, of Beaverton, State of Oregon, OSAMA M. ALATTAR, of Tigard, State of Oregon, HUGH L. BRUNK, of Portland, State of Oregon, MATTHEW M. WEAVER, of Portland, State of Oregon, UTKARSH DESHMUKH, of Hillsboro, State of Oregon, and WILLIAM Y. CONWELL, of Portland, State of Oregon, have invented a certain invention, entitled IMPROVEMENTS CONCERNING DIGITAL MARKING AND READING OF PLASTIC ITEMS, USEFUL IN RECYCLING, for which we have made application for Letters Patent of the United States, said application having been filed by us on June 7, 2019, and assigned application no. 16/435,292; and

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Executed at the place and date opposite our respective signatures below.

RAVI K. SHARMA	4		
At Beaverton	, Oregon		
	(City and	State)	
on this	day of	, 2019.	
TOMAS FILLER			
At Beaverton	, Oregon		
	(City and	State)	
on this	day of	. 2019.	

VOJTECH HOLL	JB	
At Beavertor	n, Oregon	
·	(City and State)	
on this	day of, 2019.	
/Osama M. Alatta	ar/	
OSAMA M. ALAT	ΓΤΑR	
At Beavertor	n, Oregon	
	(City and State)	
on this 26	day of <u>June</u> , 2019.	
	,	
HUGH L. BRUNK		
At <u>Beavertor</u>		
.1	(City and State)	
on this	day of, 2019.	
MATTHEW M. V		
At		
	(City and State)	
on this	day of, 2019.	
UTKARSH DESH	HMUKH	
At Beavertor	n, Oregon	
	(City and State)	
on this	day of, 2019.	
	<u> </u>	
WILLIAM Y. CON	- JWFH	
At Beavertor		
, a <u>Boavortor</u>	(City and State)	
on this	day of, 2019.	
JII 11113	day or , Lord.	

WHEREAS, we, RAVI K. SHARMA, of Portland, State of Oregon, TOMAS FILLER of Beaverton, State of Oregon, VOJTECH HOLUB, of Beaverton, State of Oregon, OSAMA M. ALATTAR, of Tigard, State of Oregon, HUGH L. BRUNK, of Portland, State of Oregon, MATTHEW M. WEAVER, of Portland, State of Oregon, UTKARSH DESHMUKH, of Hillsboro, State of Oregon, and WILLIAM Y. CONWELL, of Portland, State of Oregon, have invented a certain invention, entitled IMPROVEMENTS CONCERNING DIGITAL MARKING AND READING OF PLASTIC ITEMS, USEFUL IN RECYCLING, for which we have made application for Letters Patent of the United States, said application having been filed by us on June 7, 2019, and assigned application no. 16/435,292; and

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Executed at the place and date opposite our respective signatures below.

RAVI K. SHARMA		
At Beaverton, 6	Oregon	
	(City and State))
on this	_ day of	_, 2019.
/Tomas Filler/		
TOMAS FILLER		
At Beaverton,	Oregon	
	(City and State)
on this 27 day	v of June 20	19.

VOJTECH HOL	UB	
At Beaverto	n, Oregon	
	(City and State)	
on this	day of, 2019.	
	<u> </u>	
OSAMA M. ALA	TTAR	
At Beaverto	n Oracian	
At <u>Deaverto</u>	(City and State)	
on thic	day of, 2019.	
011 11115	uay or, 2019.	
HUGH L. BRUN	IK	
At Beaverto	n, Oregon	
	(City and State)	
on this	day of, 2019.	
MATTHEW M.	WEAVER	
At	***************************************	
	(City and State)	
on thic	day of, 2019.	
011 11115	day of, 2019.	
UTKARSH DES		
At Beaverto		
	(City and State)	
on this	day of, 2019.	
WILLIAM Y. CO	NWELL	
At Beaverto		
	(City and State)	
on this	day of . 2019.	

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RAVI K. SHARMA	4		-
At Beaverton,	, Oregon		
	(City and	State)	
on this	day of	, 2019.	
			_
TOMAS FILLER			
At Beaverton,	, Oregon		
(City and State)			
on this	day of	. 2019.	

VOJTECH HOLL	JB	
At Beavertor	n, Oregon	
·	(City and State)	
on this	day of, 2019.	
	·	
OSAMA M. ALA	TTAR	
At Beavertor	n, Oregon	
<u> </u>	(City and State)	
on this	day of, 2019.	
/Hugh L. Brunk/		
HUGH L. BRUNI		
At <u>Deavertor</u>	n, Oregon (City and State)	
on this 1st	day of <u>July</u> , 2019.	
011 this <u>15t</u>	uay 01 <u>July</u> , 2019.	
MATTHEW M. \	MENVED	
At	WEAVEN	
At	(City and State)	
on this	(City and State) day of, 2019.	
On this	day of, 2019.	
UTKARSH DESI		
At <u>Beavertor</u>	n, Oregon	
	(City and State)	
on this	day of, 2019.	
WILLIAM Y. CO		
At <u>Beavertor</u>	n, Oregon	
	(City and State)	
on this	day of, 2019.	

WHEREAS, we, RAVI K. SHARMA, of Portland, State of Oregon, TOMAS FILLER of Beaverton, State of Oregon, VOJTECH HOLUB, of Beaverton, State of Oregon, OSAMA M. ALATTAR, of Tigard, State of Oregon, HUGH L. BRUNK, of Portland, State of Oregon, MATTHEW M. WEAVER, of Portland, State of Oregon, UTKARSH DESHMUKH, of Hillsboro, State of Oregon, and WILLIAM Y. CONWELL, of Portland, State of Oregon, have invented a certain invention, entitled IMPROVEMENTS CONCERNING DIGITAL MARKING AND READING OF PLASTIC ITEMS, USEFUL IN RECYCLING, for which we have made application for Letters Patent of the United States, said application having been filed by us on June 7, 2019, and assigned application no. 16/435,292; and

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Executed at the place and date opposite our respective signatures below.

/Ravi K. Sharma/	
RAVI K. SHARMA	
At Beaverton, Oregon	
(City and State))
on this <u>13th</u> day of <u>September</u>	<u>er</u> , 2019.
TOMAS FILLER	
At Beaverton, Oregon	
(City and State)
on this day of	. 2019.

VOJTECH HOL	UB	
At Beaverto	n, Oregon	
	(City and State)	
on this	day of, 2019.	
	<u> </u>	
OSAMA M. ALA	TTAR	
At Beaverto	n Oracian	
At <u>Deaverto</u>	(City and State)	
on thic	day of, 2019.	
011 11115	uay or, 2019.	
HUGH L. BRUN	IK	
At Beaverto	n, Oregon	
	(City and State)	
on this	day of, 2019.	
MATTHEW M.	WEAVER	
At	***************************************	
	(City and State)	
on thic	day of, 2019.	
011 11115	day of, 2019.	
UTKARSH DES		
At Beaverto		
	(City and State)	
on this	day of, 2019.	
WILLIAM Y. CO	NWELL	
At Beaverto		
	(City and State)	
on this	day of . 2019.	

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RAVI K. SHARMA			
At Beaverton,	Oregon		
	(City and	State)	
on this	_ day of	, 2019.	
TOMAS FILLER			
At Beaverton,	Oregon		
	(City and	State)	
on this	day of	. 2019.	

VOJTECH HO	LUB	
At Beavert	on, Oregon	
	(City and State)	
on this	day of, 2019.	
OSAMA M. AL		
At <u>Beavert</u>		
	(City and State)	
on this	day of, 2019.	
HUGH L. BRU		
At Beavert	on, Oregon	
	(City and State)	
on this	day of, 2019.	
	MEAVED	
MATTHEW M	. WEAVER	
At	(O:t Ot - t -)	
41-:-	(City and State)	
on this	day of, 2019.	
LITICADOLLOG	OLD ALLEZ L	
UTKARSH DE		
At Beavert	on, Oregon	
	(City and State)	
on this	day of, 2019.	
AA/:II: \/ O		
/William Y. Cor		
WILLIAM Y. CO		
At Beavert	on, Oregon	
an this 10	(City and State)	
OH IIIIS TO	day of September 2019.	

WHEREAS, we, JOHN D. LORD, of West Linn, State of Oregon, RAVI K. SHARMA, of Portland, State of Oregon, TOMAS FILLER of Beaverton, State of Oregon, VOJTECH HOLUB, of Beaverton, State of Oregon, OSAMA M. ALATTAR, of Tigard, State of Oregon, HUGH L. BRUNK, of Portland, State of Oregon, and WILLIAM Y. CONWELL, of Portland, State of Oregon, have invented a certain invention, entitled RECYCLING METHODS AND SYSTEMS, AND RELATED PLASTIC CONTAINERS, for which we have made application for Letters Patent of the United States, said application having been filed by us on July 9, 2021, and assigned application no. 17/371,964; and

WHEREAS, DIGIMARC CORPORATION, a corporation organized under the laws of the State of Oregon, having a place of business at 9405 SW Gemini Drive, Beaverton, OR 97008, desires to acquire an interest therein:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, JOHN D. LORD, RAVI K. SHARMA, TOMAS FILLER, VOJTECH HOLUB, OSAMA M. ALATTAR, HUGH L. BRUNK, and WILLIAM Y. CONWELL, hereby sell, assign and transfer to DIGIMARC CORPORATION, the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, continuations-in-part, reissues and extensions thereof, to be held and enjoyed by DIGIMARC CORPORATION, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to DIGIMARC CORPORATION, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid DIGIMARC CORPORATION, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

Executed at the place and date opposite our respective signatures below.

/John D. Lord/
JOHN D. LORD
At West Linn, Oregon
(City and State)

on this 3rd day of August, 2021.

PATENT REEL: 057109 FRAME: 0568

RAVIK. SHARMA	A	
At Beaverton	ı, Oregon	
	(City and State)	
on this	day of, 2021.	
	<u> </u>	
TOMAS FILLER		
At Beaverton	Oregon	
7 tt Boavoiton	(City and State)	
on this	day of, 2021.	
011 11113	day or, 2021.	
VOITEGULIOU		
VOJTECH HOLU		
At <u>Beaverton</u>		
	(City and State)	
on this	day of, 2021.	
OSAMA M. ALAT		
At <u>Beaverton</u>		
	(City and State)	
on this	day of, 2021.	
HUGH L. BRUNK		
At Beaverton		
At <u>Deaverton</u>	(City and State)	
on this	day of, 2021.	
011 11115	uay 01, 2021.	
AAsiliam V. Camuu	all/	
/William Y. Conw		
WILLIAM Y. CON		
At <u>Beaverton</u>		
	(City and State)	
on this day	of, 2021.	

PATENT REEL: 057109 FRAME: 0569

RECORDED: 08/06/2021