#### 506475177 01/28/2021

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6521954

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
KOJI KAJIWARA	12/11/2020
HIRONORI KAWAMURA	12/11/2020
YOSHIHIRO OGAWA	12/15/2020
SHIGERU MATSUO	12/14/2020

#### **RECEIVING PARTY DATA**

Name:	KYOWA CO., LTD.
Street Address:	4-1-3, KYUTAROCHO, CHUO-KU, OSAKA-SHI
City:	OSAKA
State/Country:	JAPAN
Postal Code:	541-0056
Name:	SUMITOMO CORPORATION
Street Address:	3-2, OTEMACHI 2-CHOME, CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8601

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17264195

#### **CORRESPONDENCE DATA**

Fax Number: (703)518-5499

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: 7036841111

Email: rangroup@ipfirm.com **Correspondent Name:** HAUPTMAN HAM, LLP

Address Line 1: 2318 MILL ROAD Address Line 2: **SUITE 1400** 

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 5615-036

> **PATENT REEL: 055067 FRAME: 0705**

NAME OF SUBMITTER:	RANDY A. NORANBROCK
SIGNATURE:	/RANDY A. NORANBROCK/
DATE SIGNED:	01/28/2021
Total Attachments: 3	
source=EFiled_Assignment#page1.tif	
source=EFiled_Assignment#page2.tif	
source=EFiled Assignment#page3.tif	

PATENT REEL: 055067 FRAME: 0706

# ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

Koji KAJIWARA

Name: Shigeru MATSUO

3) Yoshihiro OGAWA

Hironori KAWAMURA

4) Shigeru MATSUO

who has made a certain new and useful invention, hereby sells, assigns and transfers unto KYOWA CO., LTD., 4-1-3, Kyutarocho, Chuo-ku, Osaka-shi, Osaka 5410056 Japan and SUMITOMO CORPORATION, having a place of business at 3-2, Otemachi 2-Chome, Chiyoda-ku, Tokyo 1008601

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

# BAG MATERIAL AND CRUSHED STONE PLACEMENT METHOD USING BAG MATERIAL

(a)	for which an application for United States Letters Pa Patent Application No; or	ntent was filed on, and identified by United States
(b)	for which an application for United States Letters Pat	ent was executed on,
all Ur contin Prope	nited States Letters Patent which may be granted thereformations-in-part thereof, and the right to all benefits u	ed States Commissioner of Patents and Trademarks to issue any and one and any and all extensions, divisions, reissues, continuations, or nder the International Convention for the Protection of Industrial IB, its successors, assigns and legal representatives; the undersigned eafter act on behalf of said ASSIGNEE;
ASSIC applic ASSIC the in	eation for and obtaining original, divisional, reissued or e GNEB, its successors, assigns and legal representatives, eations for patent based thereon, growing out of or rei	a like interest, and to render all necessary assistance in making extended Letters Patent of the United States, upon request of the said and without further remuneration, in and to any improvements, and lated to the said invention; and to execute any papers by the said deemed essential to ASSIGNEE's full protection and title in and to
1)	Roji Hajiwara ne: Koji KAJIWARA	Desember 11. 2020
Nan	ne: Kőji KAJIWARA	Date:
2).	Hironori Kawamura	December, 11, 2020
Nan	ne: Hironori KAWAMURA	Date:
3)		
Nan	ne: Yoshihiro OGAWA	Date:
	•	

Date:

# ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

1) Koji KAJIWARA

3) Yoshihiro OGAWA

2) Hironori KAWAMURA

4) Shigeru MATSUO

who has made a certain new and useful invention, hereby sells, assigns and transfers unto KYOWA CO., LTD., 4-1-3. Kyutarocho, Chuo-ku, Osaka-shi, Osaka 5410056 Japan and SUMITOMO CORPORATION, having a place of business at 3-2, Otemachi 2-Chome, Chiyoda-ku, Tokyo 1008601

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

# BAG MATERIAL AND CRUSHED STONE PLACEMENT METHOD USING BAG MATERIAL

(a)	for which an application for United States Letter Patent Application No; or	rs Patent was filed on	and identified by United States
(b)	for which an application for United States Letters	s Patent was executed on	
all Uni continu Proper	e undersigned hereby authorizes and requests the United States Letters Patent which may be granted the autions-in-part thereof, and the right to all benefity to the said ASSIGNEE, for its interest as ASSIGNEE that the attorneys of record in said application shall	erefore and any and all extension its under the International Con INEE, its successors, assigns ar	ons, divisions, reissues, continuations, or vention for the Protection of Industrial ad legal representatives; the undersigned
ASSIG applica ASSIG	AND the undersigned hereby agrees to transfution for and obtaining original, divisional, reissued iNEE, its successors, assigns and legal representations for patent based thereon, growing out of oring its successors, assigns and legal representation hereby transferred.	or extended Letters Patent of th ves, and without further remune r related to the said invention;	e United States, upon request of the said ration, in and to any improvements, and and to execute any papers by the said
SIGNE	D on the date indicated aside my signature:		
1)	e: Koji KAJIWARA	Date:	·····
. 10.10		Dun.	
2)	e: Hironori KAWAMURA		
Name	e: Hironori KAWAMURA	Date:	
3)	: Yoshihiro OGAWA	bec	emper, 15,2020
Name	e: Yoshihiro OGAWA	Date:	• • •
4)			
Name	e: Shigeru MATSUO	Date:	

# ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

1) Koji KAJIWARA

3) Yoshihiro OGAWA

2) Hironori KAWAMURA

4) Shigeru MATSUO

who has made a certain new and useful invention, hereby sells, assigns and transfers unto KYOWA CO., LTD., 4-1-3, Kyutarocho, Chuo-ku, Osaka-shi, Osaka 5410056 Japan and SUMITOMO CORPORATION, having a place of business at 3-2, Otemachi 2-Chome, Chiyoda-ku, Tokyo 1008601

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

#### BAG MATERIAL AND CRUSHED STONE PLACEMENT METHOD USING BAG MATERIAL

(a)	for which an application for United States Letters Patent was Patent Application No	filed on, and identified by United States
(b)	for which an application for United States Letters Patent was e	executed on
all Unit continu Propert	undersigned hereby authorizes and requests the United States of States Letters Patent which may be granted therefore and a ations-in-part thereof, and the right to all benefits under the y to the said ASSIGNEE, for its interest as ASSIGNEE, its such at the attorneys of record in said application shall hereafter act	ny and all extensions, divisions, reissues, continuations, or International Convention for the Protection of Industrial cessors, assigns and legal representatives; the undersigned
ASSIGN applicat ASSIGN the inve	AND the undersigned hereby agrees to transfer a like intion for and obtaining original, divisional, reissued or extended like, its successors, assigns and legal representatives, and with ions for patent based thereon, growing out of or related to the transferred in the successors, assigns and legal representatives, deemed into hereby transferred.  On the date indicated aside my signature:	Letters Patent of the United States, upon request of the said out further remuneration, in and to any improvements, and ne said invention; and to execute any papers by the said
,		•
1)	Koji KAJIWARA	
Name	Koji KAJIWARA	Date:
2)		
Name	Hironori KAWAMURA	Date:
3)		
	Yoshihiro OGAWA	Date:
		December 14, 2020

1

Date:

PATENT REEL: 055067 FRAME: 0709

Name: Shigern MATSUO