503562949 11/10/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MASAHIKO MIYAUCHI	10/09/2015
YUICHI ISHIDA	10/09/2015
TOSHIO OGASAWARA	10/09/2015
RIKIO YOKOTA	10/09/2015

RECEIVING PARTY DATA

Name:	KANEKA CORPORATION
Street Address:	2-3-18, NAKANOSHIMA
Internal Address:	KITA-KU, OSAKA-SHI
City:	OSAKA
State/Country:	JAPAN
Postal Code:	5308288
Name:	JAPAN AEROSPACE EXPLORATION AGENCY
Name: Street Address:	JAPAN AEROSPACE EXPLORATION AGENCY 7-44-1, JINDAIJIHIGASHIMACHI
Street Address:	7-44-1, JINDAIJIHIGASHIMACHI
Street Address: Internal Address:	7-44-1, JINDAIJIHIGASHIMACHI CHOFU-SHI

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14890065

CORRESPONDENCE DATA

Fax Number: (908)654-7866

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.

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PATENT REEL: 037002 FRAME: 0933

NAME OF SUBMITTER: MELINDA C. CORMIER /Melinda C. Cormier/ DATE SIGNED: 11/10/2015	ATTORNEY DOCKET NUMBER:	KANEKA 3.3F-002
	NAME OF SUBMITTER:	MELINDA C. CORMIER
DATE SIGNED: 11/10/2015	SIGNATURE:	/Melinda C. Cormier/
11/10/2013	DATE SIGNED:	11/10/2015

Total Attachments: 4

source=KANEKA 3.3F-002 Assignment#page1.tif source=KANEKA 3.3F-002 Assignment#page2.tif source=KANEKA 3.3F-002 Assignment#page3.tif source=KANEKA 3.3F-002 Assignment#page4.tif

> PATENT REEL: 037002 FRAME: 0934

	Docket Number (Optional)
ASSIGNMENT OF PATENT APPLICATION	
	KANEKA 3.3F-002 (E)
WHEREAS, I, Masshiko Miyauchi of do Kanetia Corporation, S Janen, have invented or discovered inventions or discoveres, the subject application entitled "POLYIMIDE RESIN COMPOSITION AND VARNIS MODIFIED IMIDE OLIGOMER PREPARED USING 2-PHENYL-4,4-1 THERMOPLASTIC AROMATIC POLYIMIDE PREPARED USING OX COMPOSITION MOLDED ARTICLE AND PREPREG HAVING EXCEMECHANICAL CHARACTERISTIC, AND FIBER-REINFORCED COMPOSITION MOLDED ARTICLE AND PREPARED USING 2-PHENTING ARTICLE AN	t matter of which is described in the petent SH PRODUCED FROM TERMINAL- DIAMINODIPHENYL ETHER AND (YDIPHTHALIC ACID, POLYIMIDE RESIN ELLENT HEAT RESISTANCE AND
WHEREAS (if the left box is checked), the International Applica International Application Number PCT/JP2014/061170, and	tion was filed on <u>April 21, 2014,</u> as
WHEREAS (if the left box is checked), the Patent Application as Meaninto Miyauchi, Yukchi Ishkia. Toshko Osasawara, and Rikio Yokofa (a Littenberg, Krumholz & Menilik, LLP, to insert in here in brackets [Application number and filing date of the application number and filing date of the application.	nd whereas I hereby authorize Lemer, David, on No, filed on
WHEREAS, Kaneka Communitor, incorporated or otherwise for 2.3-18. Nakangshima, Kite-ku, Osaka-ahi, Osaka 5308288, Japan and de or otherwise formed in <u>Japan</u> and having a place of busineas at <u>7-44-1, Japan</u> (hereafter, the "essignee") is desirous of acquiring, or has acquired further heroin, the ontire right, title and interest in same;	pun Aerospace Explorellon Agency, incorporate ndollihigashimachi, Chofu-shi, Tokyo 1920012.
NOW, THEREFORE, for good and valuable consideration the re- as follows. I agree to assign, and hereby do assign, to the assignee my or Assigned Applications in the United States of America and all other count Patent Application, including any and all inventione, discoveries and other continuation, continuation-in-part, substitute, reassure, re-examination or of Patent Application pursuent to any law or treaty, and any patent issuing frido assign, to assignee the right to calm such priority or benefit. I have no colligation to convey, my rights in the Assigned Applications to a third part Trademark Office, and any other governmental agency in the world, to iss Assigned Applications and to record assigned's ownership thereof. At ass further remuneration, to execute and deliver documents prepared at assig- such as testimony, as may be reasonably required to evidence or protect Assigned may assign or transfer all or part of its rights set forth herein in affix its algoriture to this document as well as any other Indicia of its accep- therein is unenforceable, the requirements of the provision shall remain to offending portions thereof shall be deemed replaced, to the extent possible purpose of the offending provision.	ntire right, title and interest in and to the ries, where "Assigned Applications" means the raciblect matter described therein, any divisional, her application claiming priority or bonefit to the om the foregoing. I agree to assign, and hereby it previously conveyed, nor am I sware of an y. I hereby authorize the U.S. Patent and us to assignee all patents resulting from the algree's reasonable request I agree, without nee's expense and to provide other cooperation, assignee's rights in the Assigned Applications. Is sold discretion. I agree that the assignee may stance of the provisional the full extent permissible by law and the
October 9, 2015	宮内 租房
(eta)	Mesahiko MIYAUCHI (Signature)
Signature of Wilness	
Nateuri (XXII) Printed Name of Witness	

PATENT

REEL: 037002 FRAME: 0935

Docket Number (Optional)

ASSIGNMENT OF PATENT APPLICATION

KANEKA 3.3F-002 (E)

WHEREAS, I, <u>Yuichi Ishida</u> of <u>c/o Japan Aerospace Exploration Agency; 7-44-1, Jindaijhigashimachi. Chofu-shi, Tokyo 1820012, Japan, have invented or discovered inventions or discoveries, the subject matter of which is described in</u>

the patent application entitled POLYIMIDE RESIN COMPOS MODIFIED IMIDE OLIGOMER PREPARED USING 2-PHETERMOPLASTIC AROMATIC POLYIMIDE PREPARED COMPOSITION MOLDED ARTICLE AND PREPREG HAVMECHANICAL CHARACTERISTIC, AND FIBER-REINFO "Patent Application"),	ENYL-4,4'-DIAMINODIPHENYL ETHER AND USING OXYDIPHTHALIC ACID, POLYIMIDE RESIN VING EXCELLENT HEAT RESISTANCE AND
X WHEREAS (if the left box is checked), the International Application Number PCT/JP2014/061170, and	onal Application was filed on <u>April 21, 2014,</u> as
WHEREAS (if the left box is checked), the Patent Ar Masahiko Miyauchi, Yuichi Ishida, Toshio Ogasawara, and Riki Littenberg, Krumholz & Mentlik, LLP, to insert in here in bracke) the application number and filing date of	o <u>Yokota</u> (and whereas I hereby authorize Lerner, David, its [Application No
WHEREAS, <u>Kaneka Corporation</u> , incorporated or of 2-3-18, <u>Nakanoshima, Kita-ku, Osaka-shi, Osaka 5308288, Ja</u> or otherwise formed in <u>Japan</u> and having a place of business <u>Japan</u> (hereafter, the "assignee") is desirous of acquiring, or h further herein, the entire right, title and interest in same;	at 7-44-1, Jindaijihigashimachi, Chofu-shi, Tokyo 1820012,
as follows. I agree to assign, and hereby do assign, to the assigned Applications in the United States of America and all Patent Application, including any and all inventions, discoverie continuation, continuation-in-part, substitute, reissue, re-exam Patent Application pursuant to any law or treaty, and any pate do assign, to assignee the right to claim such priority or beneficial between the convey, my rights in the Assigned Applications to Trademark Office, and any other governmental agency in the Assigned Applications and to record assignee's ownership the further remuneration, to execute and deliver documents prepared as testimony, as may be reasonably required to evidence assignee may assign or transfer all or part of its rights set fortigiffix its signature to this document as well as any other indicial merein is unenforceable, the requirements of the provision shapefiending portions thereof shall be deemed replaced, to the expurpose of the offending provision.	other countries, where "Assigned Applications" means the es and other subject matter described therein, any divisional, ination or other application claiming priority or benefit to the nt issuing from the foregoing. I agree to assign, and hereby it. I have not previously conveyed, nor am I aware of an a third party. I hereby authorize the U.S. Patent and world, to issue to assignee all patents resulting from the ereof. At assignee's reasonable request I agree, without used at assignee's expense and to provide other cooperation, a or protect assignee's rights in the Assigned Applications, in herein in its sole discretion. I agree that the assignee may of its acceptance of the provisions hereof. If any provision ill remain to the full extent permissible by law and the
Ocotober 9, 2015	石田雄-
(Date)	Yuichi ISHIDA (Signature)
Signature of Witness	
Natsuki DOI	

Printed Name of Witness

PATENT

REEL: 037002 FRAME: 0936

Docket Number (Optional)

ASSIGNMENT OF PATENT APPLICATION

KANEKA 3.3F-002 (E)

WHEREAS, I, <u>Toshio Ogasawara</u> of <u>c/o Japan Aerospace Exploration Agency, 7-44-1, Jindailihigashimachi, Chofu-shi, Tokyo 1820012, Japan, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "POLYIMIDE RESIN COMPOSITION AND VARNISH PRODUCED FROM</u>

TERMINAL-MODIFIED IMIDE OLIGOMER PREPARED USING 2-PHENYL-4,4'-DIAMINODIPHENYL ETHER AND THERMOPLASTIC AROMATIC POLYIMIDE PREPARED USING OXYDIPHTHALIC ACID, POLYIMIDE RESIN COMPOSITION MOLDED ARTICLE AND PREPREG HAVING EXCELLENT HEAT RESISTANCE AND MECHANICAL CHARACTERISTIC, AND FIBER-REINFORCED COMPOSITE MATERIAL THEREOF" (hereafter "Patent Application"),
X WHEREAS (if the left box is checked), the International Application was filed on <u>April 21, 2014</u> , as International Application Number <u>PCT/JP2014/061170</u> , and
WHEREAS (if the left box is checked), the Patent Application names the following inventors: Masshiko Miyauchi, Yuichi Ishida, Toshio Oqasawara, and Rikio Yokota (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, ELP, to insert in here in brackets [Application No, filed on] the application number and filing date of the application when known), and
WHEREAS, <u>Kaneka Corporation</u> , incorporated or otherwise formed in <u>Japan</u> and having a place of business at 2-3-18. <u>Nakanoshma</u> , <u>Kita-ku</u> , <u>Osaka-shi</u> , <u>Osaka 5308288</u> , <u>Japan</u> and <u>Japan</u> Aerospace Exploration Agency, incorporated or otherwise formed in <u>Japan</u> and having a place of business at 7-44-1, <u>Jindaijihigashimachi</u> , <u>Chofu-shi</u> , <u>Tokyo</u> 1820012, <u>Japan</u> (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's repasse and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the bu
October 9, 2015
(Date) Toshio OGASAWARA (Signature)
Signature of Witness
Natsuki DOI

Printed Name of Witness

PATENT REEL: 037002 FRAME: 0937 ASSIGNMENT OF PATENT APPLICATION

Docket Number (Optional)

KANEKA 3.3F-002 (E)

WHEREAS, I, Rikjo Yokola of c/o Japan Aerospace Exploration Agency, 3-1-1, Yoshinodai, Chuo-ku, Sagamihara-shi, Kanagawa 2525210, Japan, have invented or discovered inventions or discoveries, the subject matter of

which is described in the patent application entitled "POLYIM FROM TERMINAL-MODIFIED IMIDE OLIGOMER PREPAETHER AND THERMOPLASTIC AROMATIC POLYIMIDE POLYIMIDE RESIN COMPOSITION MOLDED ARTICLE RESISTANCE AND MECHANICAL CHARACTERISTIC, ATHEREOF" (hereafter "Patent Application"),	ARED USING 2-PHENYL-4,4'-DIAMINODIPHENYL E PREPARED USING OXYDIPHTHALIC ACID, AND PREPREG HAVING EXCELLENT HEAT
x WHEREAS (if the left box is checked), the International Application Number PCT/JP2014/061170, and	onal Application was filed on <u>April 21, 2014,</u> as
X WHEREAS (if the left box is checked), the Patent A Masahiko Miyauchi, Yuichi Ishida, Toshio Ogasawara, and Riki Littenberg, Krumholz & Mentlik, LLP, to insert in here in bracke] the application number and filing date of	o <u>Yokota</u> (and whereas I hereby authorize Lemer, David, ets (Application No, filed on
WHEREAS, <u>Kaneka Gorporation</u> , incorporated or ot 2-3-18. <u>Nakanoshima</u> , <u>Kita-ku</u> . <u>Osaka-shi</u> , <u>Osaka 5308288</u> , Jaor otherwise formed in <u>Japan</u> and having a place of business <u>Japan</u> (hereafter, the "assignee") is desirous of acquiring, or further herein, the entire right, title and interest in same;	at 7-44-1. Jindaijihlgashimachi, Chofu-shi, Tokyo 1820012.
NOW, THEREFORE, for good and valuable consider as follows. I agree to assign, and hereby do assign, to the as Assigned Applications in the United States of America and all Patent Application, including any and all inventions, discoveries continuation, continuation-in-part, substitute, reissue, re-exam Patent Application pursuant to any law or treaty, and any pate do assign, to assignee the right to claim such priority or beneficially of the substitution of the properties of the fight of the Assigned Applications to Trademark Office, and any other governmental agency in the Assigned Applications and to record assignee's ownership the further remuneration, to execute and deliver documents prepare such as testimony, as may be reasonably required to evidence Assignee may assign or transfer all or part of its rights set fort affix its signature to this document as well as any other indicial herein is unenforceable, the requirements of the provision shall offending portions thereof shall be deemed replaced, to the expurpose of the offending provision.	other countries, where "Assigned Applications" means the es and other subject matter described therein, any divisional, ination or other application claiming priority or benefit to the nt issuing from the foregoing. I agree to assign, and hereby it. I have not previously conveyed, nor am I aware of an eathird party. I hereby authorize the U.S. Patent and world, to issue to assignee all patents resulting from the ereof. At assignee's reasonable request I agree, without ared at assignee's rephase and to provide other cooperation, or protect assignee's rights in the Assigned Applications, herein in its sole discretion. I agree that the assignee may of its acceptance of the provisions hereof. If any provision all remain to the full extent permissible by law and the
October 9, 2015	插曲 也男
(Date)	Rikio YOKOTA (Signature)
Signature of Witness	
Signature of Withess	

Natsuki DOI

Printed Name of Witness

PATENT

REEL: 037002 FRAME: 0938

RECORDED: 11/10/2015