## 502644691 01/21/2014

#### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
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TAKAYUKI NISHIKAWA	01/22/2013
KIMITAKE OKUGAWA	09/09/2011
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### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13749767

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ATTORNEY DOCKET NUMBER:	P284917-03
NAME OF SUBMITTER:	KAZUKO NAKAGAWA
Signature:	/Kazuko NAKAGAWA/
	PATENT

502644691 REEL: 032013 FRAME: 0590

Date:	01/21/2014
Total Attachments: 2 source=Assignment 13749767(P284917-03 source=Assignment 13749767(P284917-03	: : =

PATENT REEL: 032013 FRAME: 0591

Panasonic Ref*: P284917-03	Application Serial No. 13/749767
1st Partner Name: Hokuto Patent Attorneys Office	1st Partner Ref: F08684
US Firm Name: Greenblum & Bernstein, P.L.C.	US Firm Ref:
ASSIG	NMENT
WHEREAS, the undersigned has (have) invented the invention entitled: Box 1	
Title of Invention:	
FRESNI	EL LENS
1. For use when signing Declaration prior to filing	U.S. patent application (check only one box below)
(a) 🗵 for which an application for U.S. patent has been execut	
(b) ☐ for which an application for U.S. patent has been executed (if Declaration & Assignment ore signed on the same day, check (a) and make no entry in the blank: if	on the following date(s):, or he Declaration was signed before this Assignment, enter the date(s) on which you signed the Declaration)
(c) ☐ for which an International Application has been filed as:  (for the PCT-US national entry, check only (c) and enter PCT application number in the right)	PCT Application No. and,
2. For use when signing Declaration	n after filing U.S. patent application
(d)□ for which an application for U.S. patent has been filed on:	Application Filing Date and,
WHEREAS, Panasonic Corporation of 1006, Oaza Kadoma, Kad	ioma-shi, Osaka 571-8501, JAPAN, and
title, and interest in and to said invention and in and to any Letters Paten NOW, THEREFORE, for good and valuable consideration, the rec be legally bound hereby, the undersigned, by these presents, does sell, title and interest in and to; (i) said invention in the United States of Americ as the United States) and in all countries foreign to the United States; and disclosing said invention, including provisionals, non-provisionals, co	elpt and sufficiency of which are hereby acknowledged and intended to assign and transfer unto said Assignee(s) the entire and exclusive right, ca, its territories, dependencies and possessions (hereinafter designated and (ii) this patent application and any and all related patent application(s)

The undersigned agree(s) to execute all papers necessary in connection with this application and any and all Related Applications thereof, all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements, all papers necessary in connection with any interference which may be declared concerning this application or any and all Related Applications thereof and to cooperate with the Assignee(s) in every way possible in obtaining and producing evidence and proceeding with such interference, and for any and all litigations regarding, or for the purpose of protecting the right, title and interest in and to said invention, this application and any and all Related Applications or Letters Patent(s) therefore, and to testify in any legal proceeding relating thereto and in support thereof, for the benefit of Assignee(s), and also to execute separate assignments in connection with such applications as the Assignee(s) may deem necessary or expedient.

priority created by this patent application under any treaty relating thereto; and (iii) any and all Letters Patent(s), including all renewals, extensions, relssues and reexamination certificates which may be granted therefore, and all rights to sue for past and future infringement thereunder, in the

United States and in all countries foreign to the United States for the full term or terms thereof.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States and any foreign patent(s) to the Assignee(s) and to vest all rights hereby conveyed to the Assignee(s) as fully and entirely as the same would have been held by the undersigned if this Assignment had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents, and officials of all foreign countries, whose duty is to issue patents, to issue any and all Letters Patent(s) resulting from said application or any and all Related Applications thereof to said Assignee(s) and hereby covenants that the undersigned has (have) full right to convey the entire interest herein assigned, and that the undersigned has (have) not executed, and will not execute, any assignment, sale, agreement or encumbrances in conflict herewith.

The undersigned hereby does sell, assign and transfer unto said Assignee(s) the full and exclusive authority for revoking power of attorney(s) executed by the undersigned in connection with this application and for appointing a new power of attorney in place thereof. The undersigned hereby grant(s) the Assignee(s) and the appointed U.S. patent attorneys and agents the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent Office for recordation of this

The undersigned hereby agree(s) that the above obligations shall apply to the undersigned both individually and collectively.

The undersigned hereby agree(s) that this Assignment shall be construed in accordance with the law of the appropriate jurisdiction within the United States.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) following the undersigned name(s) and signature(s).

Box2	(Each Inventor, please Sign and Date I	below)	
	(e) First Name, Last Name	(f) Signature	(g) Date signed
(1)	Kana, Ol	Kana Di	January 23, 2013
(2)	Takayuki, NISHIKAWA	Jakayuki Mishikawa	January 22, 2013
(3)	Kimitake, OKUGAWA		Month, Dale, Year
(4)	Akira, FUKUOKA	akira Tenkuoka	January-2>. 2013

□Check if additional paper(s) is/are attached. Total of \_\_1\_ pages are submitted.

REEL: 032013 FRAME: 0592

# 譲 渡 証(兼)同 意 書

2011年09月 9日

パナソニック電工株式会社 殿

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和的財産	管理番号	
11.9.12	P185498 Po	<b>1</b>
	(-TW	

管理番号	種別	発明・考案の名称または意匠に係る物品		
P185498[0]	■ 発明・考案	PaPIRs 向けフラット近似フレネルレンズ		
1054901 Po	□ 意匠の創作	【国内優先出願 および PCT・台湾出願】		
137				

氏名 No.	発明者等の氏名	職務関連	寄与度(%)	署名	即
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21656	奥川 公威	■ 職務発明 □ 職務外	15	與川公成	黑
32344	福岡 成	■ 職務発明 □ 職務外	15	福岡成	
	(以上 4名)	□ 職務発明 □ 職務外			
		□ 職務発明 □ 職務外			
		□ 職務発明 □ 職務外			

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- 注3) 当該旅渡証を作成した場合も、知財管理システム (Ioopro) における必要事項の人力操作が必要です。

PATENT REEL: 032013 FRAME: 0593

RECORDED: 01/21/2014