

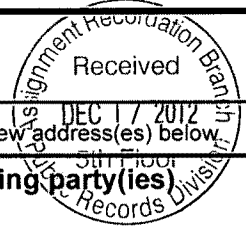
12/17/2012

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office



103652826

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12/17/12

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Kyocera Corporation

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) October 19, 2012

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: Hanei Corporation

Internal Address: \_\_\_\_\_

Street Address: 20 Depot Street, Suite 2A

City: Peterborough

State: New Hampshire

Country: US Zip: 03458

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☐ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

B. Patent No.(s)

7,580,679

Additional numbers attached? ☒ Yes ☐ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Robert Renke

Internal Address: \_\_\_\_\_

Street Address: 4011 West Chase Blvd., Suite 110

City: Raleigh

State: North Carolina Zip: 27607

Phone Number: 919.532.7665

Docket Number: HAN0104

Email Address: robert.renke@flashpoint.com

**6. Total number of applications and patents involved:** 4 of 5

**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40.00

- ☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

12/19/2012 HTON11 00000010 7580679  
Deposit Account Number 01 FC:8021 40.00 DP  
Authorized User Name \_\_\_\_\_

**9. Signature:**

Signature

Dec 13, 2012

Date

Robert Renke

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: **4**

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**PATENT**  
**REEL: 029570 FRAME: 0047**

## ASSIGNMENT OF PATENT RIGHTS

Effective as of the execution date below, and for good and valuable consideration, the receipt of which is hereby acknowledged, **Kyocera Corporation**, a Japanese corporation, having a place of business at 6 Takeda, Tobadono-cho, Fushimiku, Kyoto, Japan 612-8501 ("Assignor"), does hereby sell, assign, transfer, and convey unto **Hanei Corporation**, a Delaware corporation having its principal place of business at 20 Depot Street, Suite 2A, Peterborough, New Hampshire, 03458 ("Assignee"), all right, title, and interest in and to any and all of the following (collectively, the "Patent Rights"):

(a) the provisional patent applications, patent applications and patents listed in *Exhibit A* (the "Patents");

(b) all patents and patent applications (i) to which any of the Patents claims priority, and/or (ii) for which any of the Patents forms a basis for priority;

(c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);

(d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention and utility models;

(e) all items in any of the foregoing in categories (a) through (d), whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like, including any patents or patent applications in which there is a terminal disclaimer association with any of the foregoing categories (a) through (d), but excluding design patents, registered designs and copyright protections;

(f) all rights to apply in any or all countries of the world for patents, certificates of invention, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (e), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

(g) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (b) through (f), including, without limitation, all causes of action and other enforcement rights for (1) damages, (2) injunctive relief, and (3) any other remedies of any kind for past, current, and future infringement; and

(h) all rights to collect past, current and future royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (g).

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Assignor shall, when requested by Assignee and at Assignee's costs, execute all rightful oaths, assignments, and powers of attorney, and all other papers necessary and proper to carry out the intent and purposes of this Assignment of Patent Rights.

Assignor authorizes and requests the Director of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Patents to ASSIGNEE, as ASSIGNEE of the entire right, title, and interest therein or otherwise as ASSIGNEE may direct.

IN TESTIMONY WHEREOF, we have hereunto executed this Assignment this 19<sup>th</sup> day of October, 2012

By:

Junichi Jinno

Printed Name: Junichi Jinno

Title: General Manager  
Corp. Legal and Intellectual Property Group

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Exhibit A

US Patent No.	Title of the invention	Issue Date	Application No.	Filing Date	Family Patent No. (Registration Date or Issue Date)
6,828,938	MEMS planar antenna array	12/7/2004	10/279,482	10/23/2002	-
7,221,063	System and method for protecting multiplexed elements sharing a single electrical line	5/22/2007	10/656,025	9/5/2003	-
7,454,227	Wireless communication module, communication terminal, and impedance matching method	11/18/2008	11/263,073	10/31/2005	JP 4,606,843 (2010/10/15)
7,580,679	Communication apparatus changing measuring methods of communication quality	8/25/2009	10/974,401	10/27/2004	JP 4,551,077 (2010/07/16) CN ZL200410089675.4 (2006/12/13) KR 676564 (2007/01/24)
7,629,928	Patch antenna with electromagnetic shield counterpoise	12/8/2009	11/087,171	3/23/2005	JP Pending EP 1 861 893 (2012/5/23, validated in Germany) CA 2601837 (2012/8/7) CN Allowed (Application No. 200680009071.1) IN Pending (Application No. 3686/KOLNP/2007)

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