#### PATENT ASSIGNMENT

## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Toshizo NOGAMI	06/13/2011
Tatsushi AIBA	06/13/2011
Shohei YAMADA	06/13/2011
Hidekazu TSUBOI	06/13/2011
Katsunari UEMURA	06/13/2011
Daiichiro NAKASHIMA	06/13/2011
Shoichi SUZUKI	06/13/2011

#### **RECEIVING PARTY DATA**

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City:	Osaka-shi, Osaka
State/Country:	JAPAN
Postal Code:	545-8522

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13141659

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER: 1609-0347PUS1

PATENT

REEL: 026492 FRAME: 0619

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NAME OF SUBMITTER:	Michael R. Cammarata
Total Attachments: 3	

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ATTORNEY DOCKET NO	

# BIRCH, STEWART, KOLASCH & BIRCH, LLP

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## **ASSIGNMENT**

	13/141,659 Application No		6/22/2011 Filed
Insert Name(s) of Inventor(s)	***(Given Nan	ne FAMTLY NAME (ALL CAPS))***	
	WHEREAS,	Toshizo NOGAMI	; Tatsushi AIBA
	Shohei YAMADA	. Hidekazu TSUBOI	. Katsunari UEMURA
	Daiichiro NAKASHIMA	. Shoichi SUZUKI	·
			<u>;</u>
		:	<u>;</u>
	(hereinafter designated as the und	lersigned) has (have) invented certain	new and useful improvements in
Insert Title of Invention	BASE STATION DEVICE, MAND COMMUNICATION METI	OBILE STATION DEVICE, CC HOD	MMUNICATION SYSTEM,
	for which an application for Lette undersigned (except in the case of	ers Patent of the United States of Am f a provisional application).	erica has been executed by the
Insert Date of Signing of Application	June 13, 20	11	; and
Insert Name of Assignee	WHEREAS,Sharp Kabushiki Kaisha		
Insert Address of Assignee	22-22, Nagaike-cho, of	Abeno-ku, Osaka-shi, Os	aka 545-8522 Japan
<b>CHECK BOX</b> IF APPROPRIATI	desirous of acquiring the entire Letters Patent(s) that may be gran in any foreign countries.	sentatives and assigns (hereinafter or right, title and interest in and to said ted therefor in the United States of An	d invention and in and to any
	paid, the receipt of which is here undersigned has (have) sold, ass transfer unto said Assignee the America, its territories, dependent any and all Letters Patent(s) who	ration of the sum of Ten Dollars (\$10. eby acknowledged, and other good a signed and transferred, and by these full and exclusive right to the said in acies and possessions and the entire rich may be granted therefor in the sessions, and if the box above is des	and valuable consideration, the presents does sell, assign and vention in the United States of light, title and interest in and to United States of America, its
	and to any and all divisions, reis term or terms for which the same n	sues, continuations, conversions and nay be granted.	extensions thereof for the full

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Attorney Docket No.	

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

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

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP 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 and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

June 13, 2011  Name of Inventor  Signature) Toshizo NOGAMI  Tatsushi Alba  Signature) Tatsushi Alba  June 13, 2011  Name of Inventor  Shohei YAMADA  Name of Inventor  Signature) Shohei YAMADA  Name of Inventor  Signature) Hidekazu Tsuboi  (signature) Hidekazu Tsuboi  (signature) Katsunari UEMURA  Date  June 13, 2011  Name of Inventor  Signature) Katsunari UEMURA  (signature) Daichiro Nakashima	Date June 13, 2011	, Name of Inventor Tashing Pagami	
Date June 13, 2011  Name of Inventor Holekazu Tsuboi (signature) Hidekazu Tsuboi  Name of Inventor Katsunari UEMURA (signature) Katsunari UEMURA  Date June 13, 2011  Name of Inventor Vakashing	DateJune_13, 2011	, Name of Inventor Tatsurhi Auba	· .
(signature) Hidekazu TSUBOI  June 13, 2011  Name of Inventor  Katsunari UEMURA  (signature) Katsunari UEMURA  Date  June 13, 2011  Name of Inventor  Name of Inventor	June 13, 2011 Date	_, Name of Inventor Shohei YAMADA	
Date, Name of Inventor Katsunari UEMURA  (signature) Katsunari UEMURA  Date June 13, 2011, Name of Inventor Valichiru Nakashima	Date	· · · · · · · · · · · · · · · · · · ·	
	June 13, 2011 Date		
	Date		

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Attorney Docket No.	

Date .	June	13,	2011	`	Name of Invento	tor_ Shoichi Suzuki			
				<del></del> -		(signature)			
Date_				<u>,</u>	Name of Inventor	r (signature)			
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