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Concerning document should be mailed: Name:	103291174							
Masaru Fukuda (7/28/2006) and Koji Hayashi (7/28/2006) Masaru Fukuda (7/28/2006) and Koji Hayashi (7/28/2006) Additional name(s) of conveying party(es) attached? Yes x No 3. Nature of conveyance/Execution Date(s): Execution Date(s): in parentheses after inventor name Assignment	To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.							
Additional name(s) of conveying party(es) attached? Yes X No	Name of conveying party(ies):	2. Name and address of receiving party(ies)						
Internal Address: Additional name(s) of conveying party(ies) attached? Yes X No	Masaru Fukuda (7/28/2006) and Koji Hayashi	Name: Furuno Electric Company I td						
Additional name(s) of conveying partylies) attached?	(7/28/2006)							
3. Nature of conveyance/Execution Date(s): Execution Date(s): in parentheses after inventor name Assignment Merger Change of Name Security Agreement Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Country:	Additional name(s) of conveying party(ies) attached? Yes Y No							
Execution Date(s): in parentheses after inventor name Assignment Merger Change of Name		Street Address:						
X Assignment Merger Change of Name Security Agreement Joint Research Agreement Security Agreement Joint Research Agreement State: Country: Zip: Additional name(s) & address(es) Yes X No Additional name(s) & address	3. Nature of conveyance/Execution Date(s):	Nishinomiya-City						
X Assignment	Execution Date(s): in parentheses after inventor name							
Government Interest Assignment Executive Order 9424, Confirmatory License Other Additional name(s) & address(es) attached? Additional name(s) & address(es) attached? Additional name(s) & address(es) attached? This document is being filed together with a new application. B. Patent No.(s) This application Additional numbers attached? Yes X No 6. Total number of applications and patents involved: Name: John J. Penny, Jr. EDWARDS ANGELL PALMER & DODGE LLP CUSTOMER No. 21874 Internal Address: Atty. Dkt.: 66040 (48416) Street Address: P.O. Box 55874 City: Boston State: MA Zip: 02205 Phone Number: (617) 439-4444 Fax Number: (617) 439-4444 Fax Number: (617) 439-4170 Email Address: JPenny@eapdlaw.com B. Patent No.(s) 6. Total number of applications and patents involved: 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 a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 04-1105 Authorized User Name John J. Penny, Jr. 9. Signature: August 8, 2006 Date John J. Penny, Jr 36,984 Name of Person Signing Total number of pages including cover sheet, attachments, and documents:	x Assignment Merger Change of Name	Hyogo-Fron, WAI AIN						
Executive Order 9424, Confirmatory License Other Country: Zip: Additional name(s) & address(es)	Security Agreement Joint Research Agreement	City:						
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Name of Person Signing sheet, attachments, and documents:	Signature							
Name of Person Signing sheet, attachments, and documents:	John J. Penny, Jr 36,984							
		sheet, attachments, and documents:						
I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as Express Mail, Label No. EV 754863873 US, on the date shown below in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.								
Dated: August 8, 2006 Signature: Children McKinnon)		lichly Y Chunkaidold McKinnon)						

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PATENT REEL: 018174 FRAME: 0059

Assignment

ASSIGNMENT OF US NONPROVISIONAL APPLICATION

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to the undersigned, the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

FURUNO Electric Company Limited, 9-52, Ashihara-Cho, Nishinomiya-City, Hyogo-Pref., JAPAN
(hereinafter designated "ASSIGNEE") the right, title and interest for the United States of America as defined in 35 U.S.C. § 100, in the invention and all applications including the application filed herewith / U.S. Patent Application No filed on, and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as
APPARATUS AND METHOD FOR CARRIER PHASE-BASED RELATIVE POSITIONING
AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to THE said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;
AND the ASSIGNORS further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agree, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce patent protection for said invention in all countries.

The ASSIGNORS also hereby grant the law firm of **EDWARDS ANGELL PALMER & DODGE 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 United States Patent and Trademark Office for recordation of this documents.

Signature: Masaru Feakada	July 28. 2006
Name: Masaru FUKUDA Title: MR.	Date(Month/Day/Year)
Signature: Kvji Hcyashi	July 28, 2006
Name: Koji HAYASHI Title: MR.	Date(Month/Day/Year)

RECORDED: 08/08/2006

PATENT REEL: 018174 FRAME: 0060