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	U.S. Department of Comme United States Patent and Trademark Of
	0/05/2012 _T
Our Ref.: ARC-1417-763	
To the Director of the U.S. Patent and Trademan orneer	103650267
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
1 Jun KOUJIMA 5 2 Satoshi OHMAE 6	1) Name: TODA KOGYO CORPORATION
2 Satoshi OHMAE 6 3 Tetsuya KIMURA 7	Street Address: 1-4, Meijishinkai
4 Yoshiro SATO 8	City: Otake-shi, Hiroshima-ken
	State/Country: Japan Zip:
Additional name/s of conveying party/ies attached?	
3. Nature of conveyance:	2) Name Street Address:
Security Assignment Change of Name	City:
Other	State/Country: Zip:
Execution Date: <u>April 27, 27, 27, 2012; May 18, 24</u>	012 Additional name/s & address/es attached? 🗌 Yes 🖾 No
4. Application number(s) or patent number(s):	This assignment is being filed together with a new application
A. Patent Application No(s).	B. Patent No(s).
(1) 13/146,276	
(2) (3)	(2) (3)
Additional num	nbers attached 🗌 Yes 🛛 No
5. Name and address of party to whom correspondence	6. Total number of applications & patents involved:1
concerning document should be mailed:	7. Total fee (37 CFR 3.41) \$ 40.00
Name: Arthur R. Crawford	\boxtimes Enclosed
	Authorized to be charged to deposit account #14-1140
Internal Address:	8. The Commissioner is hereby authorized to charge any
Street Address: Nixon & Vanderhye P.C.	<u>deficiency</u> in the fee(s) filed, or asserted to be filed, or which
901 North Glebe Road	should have been filed herewith (or with any paper thereafter
11th FloorCity: ArlingtonState: VAZip:22203	filed in this application by this firm) to our Account No. 14-1140.
City: <u>Arlington</u> State: <u>VA</u> Zip: 22203	14-1140.
	OT USE THIS SPACE
DO NO	UT USE THIS SPACE
9. Statements and signature.	
9. Statements and signature.To the best of my knowledge and belief, the foregoing i	information is true and correct and any attached copy is a true copy
9. Statements and signature.	
9. Statements and signature.To the best of my knowledge and belief, the foregoing i	
 9. Statements and signature. To the best of my knowledge and belief, the foregoing i of the original document. <u>Arthur R. Crawford</u> Name of Person Signing 	information is true and correct and any attached copy is a true copy
 9. Statements and signature. To the best of my knowledge and belief, the foregoing i of the original document. <u>Arthur R. Crawford</u> Name of Person Signing Reg. No. 25,327 	information is true and correct and any attached copy is a true copy
 9. Statements and signature. To the best of my knowledge and belief, the foregoing i of the original document. <u>Arthur R. Crawford</u> Name of Person Signing Reg. No. 25,327 Total number of pages includin Documents to be recorded (including cover sheet) should b 	information is true and correct and any attached copy is a true copy October 2, 2012 Signature Date ng original cover sheet, attachments, and document: [3] be faxed to (571) 273-0140, or mailed to:
 9. Statements and signature. To the best of my knowledge and belief, the foregoing i of the original document. <u>Arthur R. Crawford</u> Name of Person Signing Reg. No. 25,327 Total number of pages including 	information is true and correct and any attached copy is a true copy October 2, 2012 Signature Date ng original cover sheet, attachments, and document: [3] be faxed to (571) 273-0140, or mailed to:
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REEL: 029187 FRAME: 0981

ASSIGNMENT OF PATENT APPLICATION

(Inventors)	Jun KOUJIMA				
•	Satoshi OHMAE				
	Tetsuya KIMURA				
	Yoshiro SATO				
	In consideration of the sum of one dollar (\$1.00) and other good and valuable				
•	considerations paid to each of the undersigned, the undersigned agree(s) to assign, and				
	hereby does assign, transfer and set over to				
(Assignee)	TODA KOGYO CORPORATION				
(Address)	of 1-4, Meijishinkai, Otake-shi, Hiroshima-ken, Japan				
(,	(hereinafter designated as the Assignee) the undersigned's entire right, title and interest				
۰.	for the United States, its territories, dependencies and possessions, and for the country of				
{Other	in the invention, and all application(s) for patent and any Letters Patent which may				
Countries)	be granted therefor, known as				
(Title)	MAGNETIC ANTENNA, AND RF TAG AND BOARD MOUNTED WITH THE RF TAG				
()	(Case No. 1417-763)				
	for which the undersigned has (have) executed on even date herewith an application for				
	patent in the United States of America or, if not on even date, then has executed				
	on or has already filed in				
	U.S. appln. Serial No. 13/146,276, filed on July 26, 2011.				
· · · · · · · · · · · · · · · · · · ·	The undersigned acknowledges an obligation of assignment of this invention to said				
	assignee at the time the invention was made.				
	aonghoo at the time the machinen was made.				

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to 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.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) 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 firm of NIXON & VANDERHYE P.C. 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 Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

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

27, 2012 Signature of inventor

Pr. 27. 20/2

Signature of inventor

Date Opt.20

2012

Signature of inventor

Satodi: Ohmae

etsuva KIMURA

Date

Signature of inventor

Yoshiro SATO

1977981

PATENT REEL: 029187 FRAME: 0982

ASSIGNMENT OF PATENT APPLICATION

(Inventors)	Jun KOUJIMA			
	Satoshi OHMAE			
	Tetsuya KIMURA	•		•
	Yoshiro SATO			
	In consideration of the	sum of one dollar (\$	1.00) and other good	l and valuable

(Assignee) (Address)

of 1-4, Meijishinkai, Otake-shi, Hiroshima-ken, Japan

hereby does assign, transfer and set over to

TODA KOGYO CORPORATION

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of in the invention, and all application(s) for patent and any Letters Patent which may be granted therefor, known as

considerations paid to each of the undersigned, the undersigned agree(s) to assign, and

MAGNETIC ANTENNA, AND RF TAG AND BOARD MOUNTED WITH THE RF TAG (Case No. 1417-763)

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on or has already filed in

U.S. appln. Serial No. 13/146,276, filed on July 26, 2011. The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to 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.

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in witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date	Signature of inventor	Jun KOUJIMA
Date	Signature of inventor	Satoshi OHMAE
Date	Signature of inventor	Tetsuya KIMURA
Date 2502 /18	//////Signature of inventor	Yoshiro SATO
• •		1977981

PATENT REEL: 029187 FRAME: 0983

RECORDED: 10/02/2012

(Other Countries) (Title)