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To the Director of the United States Patent and Trademan Since.	2. Name and address of receiving party(ies):
1. Name of conveying party(ies): 1) Yasunori TAKAKI	2. Name and address of receiving party(les).
2) Toshiyuki WADA	Name: HITACHI METALS, LTD.
3) Hiroyuki AOYAMA	Address: 2-1, Shibaura 1-chome, Minato-ku
Additional names(s) of conveying party(ies)	
3. Nature of conveyance/Execution Date(s):	
Execution Date(s): January 19, 2009	
	City: Tokyo
☐ Security Agreement ☐ Change of Name	State/Prov.:
☐ Joint Research Agreement	Country: Japan ZIP: 105-0023
Government Interest Assignment	
☐ Executive Order 9424, Confirmatory License☐ Other	Additional name(s) & address(es) ☐ Yes ☒ No
	,
• • • • • • • • • • • • • • • • • • • •	☐ This document is being filed together with a new application.
A. Patent Application No. (s)	B. Patent No.(s)
12/227,849	
Additional numbers atta	
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: One
Name: Sean M. McGinn, Esq.	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Registration No.: 34,386	☐ Authorized to be charged by credit card
Address: McGinn Intellectual Property Law Group, PLLC	✓ Authorized to be charged by credit card ✓ Authorized to be charged to deposit account
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	Authorized User Name Sean M. McGinn
Email Address: admin@mcginniplaw.com	
9. Signature: Signature	02/06/2009 MJAMA1 00000824 12227843, 2009 01 FC:8021 Date: 00 0P
Sean M. McGinn, Esq.	Total number of pages including cover
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PATENT REEL: 022232 FRAME: 0943

ANGOL

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS

NAME AND ADDRESS OF ASSIGNOR

We, Yasunori TAKAKI, Toshiyuki WADA, Hiroyuki AOYAMA, whose addresses are, c/o Kumagaya-jigyousho Hitachi Metals, Ltd., 5200 Mikajiri, Kumagaya-shi, Saitama 360-8577 Japan

(HEREINAFTER REFERRED TO AS ASSIGNOR), have invented and own a certain new and useful invention entitled:

TITLE OF INVENTION:

ANTENNA DEVICE AND WIRELESS COMMUNICATION APPARATUS USING THE SAME

WHEREAS

FULL NAME AND ADDRESS OF ASSIGNEE

HITACHI METALS, LTD., whose address is 2-1, Shibaura 1-chome, Minato-ku, Tokyo 105-0023 Japan

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title, and interest in, to and under said invention and the United States Letters Patent to be obtained therefor:

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be

it known that in consideration of the payment of ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR, by these presents, hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States Patent obtained therefor on said application or any (Assignment of Application for Patent -- page 1 of 2)

PATENT REEL: 022232 FRAME: 0944

RECORDED: 02/03/2009