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U.S. DEPARTMENT OF COMMERCE

(Rev* 03-01) OMB No. 065*	10/5 ² 908 8				
	7 Rec'd PCT/PTO 15-JUN 2005				
100101	e: Please record the attached original documents or copy thereof.				
Name of conveying party(ies): Kenichi MIYOSHI	Name and address of receiving party(ies):				
$c_1 - c_2$	Name: Matsushita Electric Industrial Co., Ltd.				
6/2/	Address: 1006, Oaza Kadoma, Kadoma-shi				
Additional names(s) of conveying party(ies)					
3. Nature of conveyance:					
☑ Assignment					
☐ Security Agreement ☐ Change of Name	City: Osaka State/Prov.:				
Other	Country: JAPAN ZIP: 571-8501				
Execution Date: May 6, 2005	Additional name(s) & address(es) ☐ Yes ☒ No				
4. Application number(s) or patent numbers(s):					
If this document is being filed together with a new application, the execution date of the application is: M_{ay} 6, 2005					
Patent Application No. Filing date	B. Patent No.(s)				
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Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:				
Name: James E. Ledbetter	7. Total fee (37 CFR 3.41):\$ 40.00				
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USA ASSIGNMENT OF PATENT APPLICATION

(1)	Kenichi MIYOSHI				
(2)					
(3)					
(4)					
(5)					
the under	In consideration of the sum of signed, the undersigned agree(s)				n paid to each of
(6)	MATSUSHITA ELECTRIC	INDUSTRIAI	CO., LTD.		
(6a)	of 1006, Oaza Kadoma, Ka	doma-shi, Osa	ka 571-8501 Japan		
(7)					
(7a)	of				
(herein	after designated as the Assignee) encies and possessions, and for the	the entire right			erritories,
	ir i		, and all applications	for patent and any Let	tters Patent
(9)	DADTO CAMMULTO	1 - 7 - 2 × 1 × 1 / 1 / 1 / 1 / 1	DARATUS ANID	D (D T D	
(3)	RADIO COMMUNICA				
6 11	TRANSMISSION MET				** ** **
	ch the undersigned has (have) ex a or, if not on even date, then ha		date herewith an appl	ication for patent in the	United States of
(10)	on		or has already fil	ed	
(11)	U.S. appln. Serial No.	·	, filed on		
(12) time th	The undersigned acknowledge invention was made.	ges an obligation	on of assignment of t	his invention to said a	ssignee at the
1) The undersig applications thereof and als expedient.	gned agree(s) to execute all papers to execute separate assignments	necessary in coi in connection w	nnection with the applications as	cation and any continuing the Assignee may deem	g or divisional necessary or
2) The undersign	ned agree(s) to execute all papers tion or division thereof and to coop	necessary in con	nnection with any interf	erence which may be de	clared concerning
going forward with such int	erference.			•	
claims or provisions of the	ned agree(s) to execute all papers International Convention for Prote	ction of Industri	all Property or similar a	greements.	connection with
to the Assignee.	gned agree(s) to perform all affirm			_	•
States resulting from said a	gned hereby authorize(s) and reque oplication or any division or divisi	ons or continuin	g applications thereof t	o the said Assignee, as A	assignee of the
	ovenants that he has (they have) functions for the coute, any agreement in conflict h		ey the entire interest her	ein assigned, and that he	has (they have)
The undersign	ned hereby grant(s) the firm of ST tification which may be necessary	TEVENS, DAVI	S, MILLER & MOSHI	ER, L.L.P. the power to i	nsert on this
recordation of this documer	ıt.				t Office 101
	of, executed by the undersigned on				
Date Mhy	6, 2005 Signature	of Inventor	(1) remem	mission	(Seal)
Date	Signature	e of Inventor	(2)		(Seal)
Date	Signature	of Inventor	(3)	·	(Seal)
Date	Signature	of Inventor	(4)		(Seal)
Date	Signature	of Inventor	(5)		(Seal)
This assignment	should preferably be signed before at least should be signed before at least should be signed before at least specific properties.	ore: (a) a Notar	y Public if within the l	J.S.A., or (b) a U.S. Co	unsel if outside
Date	Signature	of Witness			(Seal)
Date	Signature	e of Witness			(Seal)

PATENT REEL: 017338 FRAME: 0531

RECORDED: 06/15/2005