



	10086	3755 ET			
To the i	Honorable Commissioner of Patent Please record the attached or	ts and Trademarks:			
1.	Name(s) of Conveying Party(i	Name(s) of Conveying Party(ies):			
	Toru MATSUURA, Kaoru ISHID	A, Hiroaki KOSUGI and Youichi MORINAGA			
2.	Name(s) and Address(es) of Receiving Party(ies): 10.19.28				
	Matsushita Electric Industrial Co 1006, Oaza Kadoma, Kadoma-s	o., Ltd.			
3.	Nature of Conveyance:	Assignment			
	Execution Date:	October 19, 1998			
4A.	Patent Application No.(s):				
	Application Execution Date:	October 19, 1998			
4B.	Patent No.(s):	09/174537			
5.	Name and Address of Party to Whom Correspondence Regarding This Document Should Be Mailed: Beveridge, DeGrandi, Weilacher & Young, L.L.P. Suite 800, 1850 M Street N.W., Washington, D.C. 20036 (202) 659-2811				
	Attorney Docket No.:	03-55078			
6.	Total Number of Applications and Patents involved:	ONE			
7.	Total Fee:	\$40.00			
	(Enclosed. Please charge any deficiency or refund any excess to counsel's deposit account.)				
8.	Deposit Account No.: 02-430	0			
	DO NOT U	USE THIS SPACE &			
9.	Statement and Signature: To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document. October 19, 1998				
	Joseph A. DeGrandi, Registration				

PATENT

REEL: 9527 FRAME: 0073

BDWY Form ASN-1 Inventor(s)-to-Assignee

ASSIGNMENT

The PAT	ENT	RIGHTS referred to in th	nis agreement are:	
(check one)	×	a patent application for		ed by the ASSIGNOR(S)
	_	concurrently with this as	•	P1 4
		U.S. patent application s	Serial No.	, filed
		a U.S. patent application	n based on PCT Intern	eational Application
		NOTII	ed on (date)	(U.S. patent
	_	application Serial No	, it known	1)
The DAT	ב רואם	DIGHTS also include all	divisions reissues or	ontinuations and extensions of
		patent applications identi		ontinuations and extensions of
		RIGHTS assigned under		
	_	U.S. patent rights only.	tills agreement are.	
(OHOOK BHO)			In this case, the as:	signee shall have the right to
	_			or foreign patent application
		for this invention.		. or totoldir barout appropriati
The ASS	IGN	OR(S) referred to in this	agreement is (or are)	the inventor(s) whose
		ar on page 2 of this Assig		
		E referred to in this agre-		
(Name of As	sigr	iee) Matsushita Electric Inc	dustrial Co., Ltd.	
(Address)	1006	, Oaza Kadoma, Kadoma-	shi, Osaka 571-8501 J	APAN
The ASSIGN				
THE MODICIN		An Individual.	•	
		A Partnership.		
		•		, ,,,
	M '	A Corporation of	JAPAN	(specify state or country)
	M '	A Corporation of other)	JAPAN	(specify state or country)
(check one)	X	A Corporation ofother)		
(check one) The ASS	区 IGN	A Corporation of other) OR(S), in consideration o	f \$10.00 paid by the	ASSIGNEE, and other good
(check one) The ASS	IGN	A Corporation of other) OR(S), in consideration on sideration, receipt of wh	f \$10.00 paid by the ich is acknowledged,	
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The ASS and valuable rights to the the full a the entire	IGN COI AS and cerige	OR(S), in consideration on sideration on sideration, receipt of who sideration, its successors as exclusive right to the invent, title and interest in an arouse and recover for any particular contents.	f \$10.00 paid by the ich is acknowledged, nd assigns: ention; and to the PATENT RIG	ASSIGNEE, and other good hereby assign(s) the following GHTS;
The ASS and valuable rights to the the full a the entire the right	IGN Con AS and con to s	OR(S), in consideration on sideration on sideration, receipt of who sideration, its successors as exclusive right to the invent, title and interest in an	f \$10.00 paid by the ich is acknowledged, assigns: ention; and to the PATENT RIGIDS ast infringement; and SC 119, 35 USC 120,	ASSIGNEE, and other good hereby assign(s) the following HTS;

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HIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO ASSIGNEE: Matsushita Electric Industrial Co., Ltd.					
INVENTION TITE	E: TRANSMITTER AND MOBILE TELEPHONE USING T	HE			
	TRANSMITTER				

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNORS authorize any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

	7 metruna	
Toru MATSUURA	J. my Jour Metoura	October 19, 1998
Name of sole or first inventor	Signature	Date
Kaoru ISHIDA	Naon Ishida	October 19, 1998
Name of second inventor, if any	Signature	Date
Hiroaki KOSUGI	Hiroaki Kosugi	October 19, 1998
Name of third inventor, if any	Signature	Date
Youichi MORINAGA	Yourchi marinaga	October 19, 1998
Name of fourth inventor, if any	Signature	Date
Name of fifth inventor, if any	Signature	Date
Name of sixth inventor, if any	Signature	Date
Name of seventh inventor, if any	Signature	Date
Name of eighth inventor, if any	Signature	Date
Name of ninth inventor, if any	Signature	Date

9 1987, 1992 Beveridge, DeGrandi, Weilacher & Young

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