

FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)	ATTY. DOCKET NO. I-2-0054US12	SERIAL NO. 13/150,371
	APPLICANT Gary R. Lomp	
	FILING DATE June 1, 2011	GROUP 2611

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	3,571,767	03/1971	Bush				
	3,838,342	09/1974	Bjorkman				
	4,164,628	08/1979	Ward et al.				
	4,189,677	02/1980	Cooper et al.				
	4,193,031	03/1980	Cooper				
	4,222,115	09/1980	Cooper et al.				
	4,253,067	02/1981	Caples et al.				
	4,349,915	09/1982	Costas				
	4,426,630	01/1984	Folkman				
	4,621,365	11/1986	Chiu				
	4,641,322	02/1987	Hasegawa				
	4,653,069	03/1987	Roeder				
	4,694,467	09/1987	Mui				
	4,697,260	09/1987	Grael et al.				
	4,765,753	08/1988	Schmidt				
	4,965,539	10/1990	Korber, Jr.				
	4,984,247	01/1991	Kaufmann et al.				
	5,056,109	10/1991	Gilhousen et al.				
	5,077,753	12/1991	Grau, Jr. et al.				
	5,081,643	01/1992	Schilling				
	5,093,840	03/1992	Schilling				
	5,101,501	03/1992	Gilhousen et al.				
	5,103,459	04/1992	Gilhousen et al.				
	5,109,390	04/1992	Gilhousen et al.				
	5,161,168	11/1992	Schilling				

EXAMINER	DATE CONSIDERED
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	5,170,410	12/1992	Gressier et al.			
	5,179,571	01/1993	Schilling			
	5,179,572	01/1993	Schilling			
	5,180,999	01/1993	Edwards			
	5,218,618	06/1993	Sagey			
	5,224,120	06/1993	Schilling			
	5,228,056	07/1993	Schilling			
	5,233,626	08/1993	Ames			
	5,257,283	10/1993	Gilhousen et al.			
	5,265,119	11/1993	Gilhousen et al.			
	5,267,262	11/1993	Wheatley, III			
	5,291,516	03/1994	Dixon et al.			
	5,299,226	03/1994	Schilling			
	5,305,348	04/1994	Izumi			
	5,305,349	04/1994	Dent			
	5,305,468	04/1994	Bruckert et al.			
	5,321,721	06/1994	Yamaura et al.			
	5,343,496	08/1994	Honig et al.			
	5,363,403	11/1994	Schilling et al.			
	5,386,588	01/1995	Yasuda			
	5,420,896	05/1995	Schilling			
	5,438,329	08/1995	Gastouniotis et al.			
	5,448,600	09/1995	Lucas			
	5,485,486	01/1996	Gilhousen et al.			
	5,487,083	01/1996	Nakajima et al.			
	5,535,238	07/1996	Schilling et al.			

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	5,563,907	10/1996	Lomp			
	5,574,747	11/1996	Lomp			
	5,604,766	02/1997	Dohi et al. <sup>3</sup>			
	5,631,921	05/1997	Schilling			
	5,659,572	08/1997	Schilling			
	5,673,286	09/1997	Lomp			
	5,694,388	12/1997	Sawahashi et al.			
	5,710,982	01/1998	Laborde et al.			
	5,757,847	05/1998	Durrant et al.			
	5,799,004	08/1998	Keskitalo et al.			
	5,802,105	09/1998	Tiedemann et al.			
	5,809,020	09/1998	Bruckert et al.			
	5,835,527	11/1998	Lomp			
	5,920,590	07/1999	Lomp			
	5,995,583	11/1999	Lomp			
	6,226,316	05/2001	Schilling et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	3730399	03/1989	DE				
	0263687	04/1988	EP				
	0265178	10/1987	EP				
	0505771	09/1992	EP				
	0682417	11/1995	EP				
	S60-84030	05/1985	JP			X**	
	H4-185130	07/1992	JP			X**	

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						YES	NO
	H4-360433	12/1992	JP			X**	
	H4-502841	05/1992	JP <sup>2</sup>				
	H5-276142	10/1993	JP			X**	
	H5-292063	11/1993	JP				
	H6-097914	04/1994	JP				
	H6-141021	05/1994	JP				
	H6-334575	12/1994	JP			X**	
	H6-334626	12/1994	JP			X**	
	H6-338872	12/1994	JP			X**	
	8-032513	02/1996	JP			X**	
	91/07037	05/1991	WO <sup>1</sup>				
	92/00639	01/1992	WO				
	92/21195	11/1992	WO				
	92/21196	11/1992	WO				
	93/07702	04/1993	WO				
	93/10609	05/1993	WO				
	94/27379	11/1994	WO				
	94/30025	12/1994	WO				

## OTHER DOCUMENTS

EXAMINER INITIAL	DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
	BERNHARDT, "Macroscopic Diversity in Frequency Reuse Radio Systems," IEEE Journal on Selected Areas in Communications Vol. 5, No. 5, (June 1987).
	CRESPO ET AL., "Spread-Time Code Division Multiple Access", IEEE, pp. 0836-0840 (1991).

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	DAVENPORT, "FFT Processing of Direct Sequence Spreading Codes Using Modern DSP Microprocessors", IEEE, pp. 98-105 (1991).
	FLUHR ET AL., "Advanced Mobile Phone Service: Control Architecture," The Bell System Technical Journal, Vol. 58, No. 1, (January 1979).
	LE STRAT, "Architecture Simplifications for an Improved Performance RAKE Receiver", Vehicular Technology Conference, 1993 IEEE 43 <sup>rd</sup> , May 20, pp. 726-729, (1993).
	OKI ELECTRIC INDUSTRY, CO., "Research and Development," Vol. 61, No. 2, (April 1, 1994).†
	PORTER, "Supervision and Control Features of a Small-Zone Radiotelephone System," IEEE Transactions on Vehicular Technology, Vol. 20, No. 3, (August 1971).
	SCHILLING ET AL., "Broadband-CDMA Overlay," 1993 IEEE 43 <sup>rd</sup> Vehicular Technology Conference, pp. 452-455, (May 18-20, 1993).
	SU ET AL., "Reverse-link Power Control Strategies for CDMA Cellular Network", IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, XX, XX, Vol. 2, pp. 461-465 (1995).
	SUEHIRO ET AL., "Orthogonal Sequences and Pseudo-Orthogonal Sequences Derived from M Sequences", Institute of Electronics, Information and Communications Engineers of Japan (IEICE), Spread Spectrum Communications Study Group, (August 1987).

\*\* Abstract Only

† An English version of this document is not available. It has been provided in Japanese. A copy of the Office Action in which it was cited has also been submitted.

<sup>1</sup> Corresponds to JP H4-502841; <sup>2</sup> Corresponds to WO 91/07037; <sup>3</sup> Corresponds to JP 8-032513.

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