

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-2-0108US08	SERIAL NO. 12/901,616
	APPLICANT David K. Mesecher	
	FILING DATE October 11, 2010	GROUP 2611

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	3,662,268	05/1972	Gans et al.				
	4,736,460	04/1988	Rilling				
	4,901,307	02/1990	Gilhousen et al.				
	5,146,475	09/1992	Kubo				
	5,319,677	06/1994	Kim				
	5,331,666	07/1994	Dent				
	5,381,443	01/1995	Borth et al.				
	5,457,704	10/1995	Hoeher et al.				
	5,493,563	02/1996	Rozanski et al.				
	5,623,511	04/1997	Bar-David et al.				
	5,652,764	07/1997	Kanzaki et al.				
	5,673,294	09/1997	Namekata				
	5,680,419	10/1997	Bottomley				
	5,694,388	12/1997	Sawahashi et al.				
	5,757,791	05/1998	Kanterakis et al.				
	5,809,020	09/1998	Bruckert et al.				
	5,812,542	09/1998	Bruckert et al. ¹				
	5,822,380	10/1998	Bottomley				
	5,822,701	10/1998	Tomisato et al.				
	5,886,987	03/1999	Yoshida et al.				
	5,903,834	05/1999	Wallstedt et al.				
	5,933,424	08/1999	Muto				
	5,952,968	09/1999	McDowell				

¹ Corresponds to CN 1166727A

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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-2-0108US08	SERIAL NO. 12/901,616
	APPLICANT David K. Mesecher	
	FILING DATE October 11, 2010	GROUP 2611

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,982,327	11/1999	Vook et al.			
	5,991,332	11/1999	Lomp et al.			
	6,009,074	12/1999	Kim et al.			
	6,026,130	02/2000	Rahmatullah et al.			
	6,044,120	03/2000	Bar-David et al.			
	6,067,324	05/2000	Harrison			
	6,069,884	05/2000	Hayashi et al. ²			
	6,081,566	06/2000	Molnar et al.			
	6,108,517	08/2000	Arslan et al.			
	6,147,985	11/2000	Bar-David et al.			
	6,148,041	11/2000	Dent			
	6,154,443	11/2000	Huang et al.			
	6,160,801	12/2000	Uchida et al.			
	6,161,209	12/2000	Moher			
	6,215,762	04/2001	Dent			
	6,335,954	01/2002	Bottomley et al.			
	6,359,864	03/2002	Yoshida et al.			
	6,385,181	05/2002	Tsutsui et al.			
*	6,385,187	05/2002	Ahn et al.			
	6,434,366	08/2002	Harrison et al.			
	6,459,740	10/2002	Lo			
	6,470,047	10/2002	Kleinerman et al.			
	6,470,192	10/2002	Karlsson et al.			
	6,483,866	11/2002	Suzuki			
	6,484,285	11/2002	Dent			

2 Corresponds to JP 10-107768

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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-2-0108US08	SERIAL NO. 12/901,616
	APPLICANT David K. Mesecher	
	FILING DATE October 11, 2010	GROUP 2611

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	0 674 455	10/1994	EP				
	0 715 421	06/1996	EP				
	0 755 127	01/1997	EP				
	0 820 157	01/1998	EP				
	0 881 781	12/1998	EP				
	0 892 508	01/1999	EP				
	0 899 894	03/1999	EP				
	2 280 575	02/1995	GB				
	H09-261204	10/1997	JP ³			X**	
	H11-186991	07/1999	JP ⁴			X**	
	94/01956	01/1994	WO				
	95/34140	12/1995	WO				
	96/11533	04/1996	WO				
	96/21295	07/1996	WO				
	97/13386	04/1997	WO				
	99/04537	01/1999	WO				
	99/12283	03/1999	WO				
	99/23767	05/1999	WO				
	99/52311	10/1999	WO				
	00/35159	06/2000	WO				
	00/44141	07/2000	WO				
	00/48330	08/2000	WO				
	00/69192	11/2000	WO				

3 Corresponds to WO98/05860

4 Corresponds to US 6,507,605

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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-2-0108US08	SERIAL NO. 12/901,616
	APPLICANT David K. Mesecher	
	FILING DATE October 11, 2010	GROUP 2611

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	01/05088	01/2001	WO				
	01/28174	04/2001	WO				
	01/45289	06/2001	WO				
	02/09297	01/2002	WO				
	02/23787	03/2002	WO				
	02/065719	08/2002	WO				
	02/067444	08/2002	WO				
	02/084892	10/2002	WO				
	03/003604	01/2003	WO				
	03/010899	02/2003	WO				
	04/012341	02/2004	WO				

OTHER DOCUMENTS

EXAMINER INITIAL	DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
	Foerster et al., "Coding for a Coherent DS-CDMA System Employing an MMSE Receiver in a Rayleigh Fading Channel," IEEE Transactions on Communications, Vol. 48, No. 6, June 2000, pp. 1012-1021.
	Latva-aho et al., "LMMSE Detection for DS-CDMA Systems in Fading Channels," IEEE Transactions on Communications, Vol. 48, No. 2, February 2000, 194-199.
	Majmundar et al., "Adaptive Single-User Receivers for Direct-Sequence Spread-Spectrum CDMA Systems," IEEE Transactions on Vehicular Technology, Vol. 49, No. 2, March 2000, pp. 379-389.
	Pahlavan et al., "Performance of Adaptive Matched Filter Receivers Over Fading Multipath Channels," IEEE Transactions on Communications, Vol. 38, No. 12, December 1990, pp. 2106-2113.
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Physical layer procedures (TDD) (Release 1999)," 3GPP TS 25.224 V1.0.0 (April 1999).

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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-2-0108US08	SERIAL NO. 12/901,616
	APPLICANT David K. Mesecher	
	FILING DATE October 11, 2010	GROUP 2611

EXAMINER INITIAL	DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Physical layer procedures (TDD) (Release 1999)," 3GPP TS 25.224 V3.2.0 (March 2000).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Spreading and modulation (TDD) (Release 1999)," 3GPP TS 25.223 V2.1.0 (June 1999).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Spreading and modulation (TDD) (Release 1999)," 3GPP TS 25.223 V3.2.0 (March 2000).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Physical channels and mapping of transport channels onto physical channels (TDD) (Release 4)," 3GPP TS 25.221 V1.1.0 (June 1999).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Physical channels and mapping of transport channels onto physical channels (TDD) (Release 4)," 3GPP TS 25.221 V3.2.0 (March 2000).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Physical Channels and Mapping of Transport Channels onto Physical Channels (FDD) (Release 1999)," 3GPP TS 25.211 V2.1.0 (June 1999).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Physical Channels and Mapping of Transport Channels onto Physical Channels (FDD) (Release 1999)," 3GPP TS 25.211 V3.1.0 (December 1999).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Spreading and modulation (FDD) (Release 1999)," 3GPP TS 25.213 V2.1.0 (June 1999).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Spreading and modulation (FDD) (Release 1999)," 3GPP TS 25.213 V3.2.0 (March 2000).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Physical Layer Procedures (FDD) (Release 1999)." 3GPP TS 25.214 v3.2.0 (March 2000).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Physical Layer Procedures (FDD) (Release 1999)." 3GPP TS 25.214 v1.0.0 (April 1999).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Base Station (BS) radio transmission and reception (FDD)," 3GPP TS 25.104 V2.0.0 (June 1999).

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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-2-0108US08	SERIAL NO. 12/901,616
	APPLICANT David K. Mesecher	
	FILING DATE October 11, 2010	GROUP 2611

EXAMINER INITIAL	DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Base Station (BS) radio transmission and reception (FDD)," 3GPP TS 25.104 V3.2.0 (March 2000).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; User Equipment (UE) radio transmission and reception (FDD)," 3GPP TS 25.101 V2.0.0 (June 1999).
	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; User Equipment (UE) radio transmission and reception (FDD)," 3GPP TS 25.101 V3.2.2 (April 2000).

** English abstract only.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.