U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

SUBSTITUTE FOR FORM 1449/PTO					ATTY. DOCKE DX0724XK1D		SERIAL NO.: TBA
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					APPLICANT: Gerard T. Hardiman EXAMINER NAME:		
(USE AS MANY SHEETS AS NECESSARY)					TBA		ART UNIT:
Sheet 1 of	8						
			U.S. PAT	ENT DOCUME	NTS		
*EXAMINER INITIAL	CITE NO. ¹	DOCUMENT NUMBER	PUB. DATE.	NAME OF PAT APPLICANT	ENTEE OR	Pages, Releva	Columns, Lines, Where nt Passages or Relevant Figures Appear
	AA	5,853,977	12/29/1998	Dalie et al.			
	AB	5,350,836	09/27/1994	Kopchick et al	•		

					······································		
							4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1
pair .							
Examiner signature:				Date con	sidered:		

*EXAMINER: Initial if reference 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. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WiPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.

This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB

SUBSTITUTE FOR FORM 1449/PTO					ATTY. DOCKET NO.: SERIAL NO.:			
INFORMATION DIOOL COURT					DX0724XK1D		TBA	
INFORMATION DISCLOSURE					APPLICANT:			
STATEMENT BY APPLICANT					Gerard T. Hardiman			
	OTTE ENERGY DI ATTE DI ATT				EXAMINER NAME:			
(USE AS MAI	NY SHE	EETS AS NECESSAR	Y)		TBA			
•			,		FILING DATE: 04/09/2008		ART UNIT:	
Sheet 2 of 8			PPRIMAREA AND COMMENT OF THE STATE OF THE ST	······································	1 04/09/2008	······································	I I DA	
	····	**************************************	FOREIGN PAT	ENT DOC	JMENTS	····		
*EXAMINER	CITE	DOCUMENT	PUB.	NAME OF	PATENTEE OR	Pag	jes, Columns, Lines,	TT
INITIAL	NO.1	NUMBER	DATE.	APPLICA	VT.	Where	Relevant Passages or	
		11/0 00/00055	1 2 1 2 2 1 2 2 2	1		Rele	evant Figures Appear	
	AC	WO 98/02557	01/22/1998	Schering	Corp.			
	AD	WO 98/50547	11/12/1998	Schering	Corp.		The state of the s	
	AE	WO 99/20756	04/29/1999	Genented	ch, Inc.			
	AF	WO 00/24776	05/04/2000		ience and			
	AG	WO 01/62922	08/30/2001	Technolo Incyte Ge	gy Corp. nomics, Inc.			
	AH	WO 01/55386	08/02/2001	Glaxo-Sn				
	A						***************************************	
			The state of the s	- Company				
***************************************				<u> </u>				
		H-1000000000000000000000000000000000000		<u> </u>	***************************************	<u> </u>	Transfer and Address of the Control	
	·				· · · · · · · · · · · · · · · · · · ·			
			<u> </u>	<u> </u>			• • • • • • • • • • • • • • • • • • • •	
***************************************			**************************************	 	······			
Examiner signature:				Date con	sidered:	L		$\vdash \vdash$
				1- ВРО ДИНИКУ ЛАЛА ВА				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw fine through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WiPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.

This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMBRCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

SUBSTITUTE FOR FORM 1449/PTQ			ATTY, DOCKET NO.:	SERIAL NO.:		
INIEO		ATION DISCLOSURE	DX0724XK1D	TBA		
		ATION DISCLOSURE	APPLICANT: Gerard T. Hardiman EXAMINER NAME: TBA			
STAT	EM!	ENT BY APPLICANT				
USE AS MANY SHEETS AS NECESSARY)		SHEETS AS NECESSARY)	FILING DATE:	ART UNIT:		
			04/09/2008	TBA		
Sheet 3 c	of 8					
*	······································	OTHER DOCUMENTS (Including Author, Title	e, Date, Pertinent Page	s, Etc.)		
Examiner initials*	Cite no.1	Include name of the author (in CAPITAL LETTERS), title of magazine, journal, serial, symposium, catalog, etc.), date, p	age(s), volume-issue number), title of the item (book, (s), publisher, city and/or		
	Al	M.D. ADAMS, et al., GenBank, Accession No.AA. Definition: "EST94973 Activated T-cells I Homo sa sapiens hypothetical protein (GP:D13637_1), mRI	apiens cDNA 5' end sim	ilar to similar to H.		
	AJ MARK D. ADAMS, et al., Nature, 377:3-17, September 28, 1995. "Initial assessment of human gene diversity and expression patterns based upon 83 million nucleotides of cDNA sequence"					
	AK	JAMES W. BAUMGARTNER, et al., J. Biological The Role of the WSXWS Equivalent Motif in Gro	Chemistry, 269(46):2909 wth Hormone Receptor	94-29101, 1994. Function"		
AL MARCIA P. BELVIN, et al., Annu. Rev. Cell Dev. Biol., 12:393-416, 1996. "A CONSERVED SIGNALING PATHWAY: The Drosophilia Toll-Dorsal Pathway"				athway"		
e de la constitución de la const	AM	IRWIN M. CHAIKEN and WILLIAM V. WILLIAMS, <u>TIBTECH</u> , 14:369-375, 1996. "Identifying structure-function relationships in four-helix bundle cytokines: towads de novo mimetics design"				
	AN CHARLES A. DINARELLO, <u>Blood</u> , 87(6):2095-2147, March 15, 1996. "Biologic Basis for Interleukin-1 in Disease"					
	AO	CHARLES A. DINARELLO, <u>Blood</u> , 77(8):1627-168 "Interleukin-1 and Interleukin-1 Antagonism"	52, April 15, 1991.			
Annual de Laborina	AP	CHARLES A. DINARELLO, The FASEB Journal, 8 "The interleukin-1 family: 10 years of discovery"	3:1314-1325, December	1994.		
	AQ	DAVID G. GEORGE, et al., Macromolecular Sequ Applications, Ch 12, pp 127-149, 1988. "Current N	encing and Synthesis S Methods in Sequence Co	elected Methods and omparison and Analysis"		
	AR	I.R. GIBBONS, et al., Proc. Natl. Acad. Sci. USA, 88:8563-8567, October 1991. "A PCR procedure to determine the sequence of large polypeptides by rapid walking through a cDNA library"				
to the second	AS	THOMAS J. GONDA and RICHARD J. D'ANDREA "Activating Mutations in Cytokine Receptors: Implic Disease"				
EXAMINÈ	R	DATE CO	ONSIDERED			
*EXAMINI through ci applicant.	ER: In tation	itial if reference considered, whether or not citation if not in conformance and not considered. Include o	is in conformance with P copy of this form with ne	MPEP 609; Draw line xt communication to		

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

SUBSTITUTE FOR FORM 1449/PTO			ATTY. DOCKET NO.: DX0724XK1D	SERIAL NO.:		
J		ATION DISCLOSURE ENT BY APPLICANT	APPLICANT: Gerard T. Hardiman EXAMINER NAME:			
(USE AS MANY SHEETS AS NECESSARY)			TBA			
Sheet 4 o	of 8		**************************************			
		OTHER DOCUMENTS (Including Author, Title	, Date, Pertinent Pages	, Etc.)		
Examiner initials*	Cite no.1	Include name of the author (in CAPITAL LETTERS), title of magazine, journal, serial, symposium, catalog, etc.), date, country where	page(s), volume-issue number	e), title of the item (book, r(s), publisher, city and/or		
	AT	GARY HARDIMAN, et al., Oncogene, 13:2467-247 "Molecular characterization and modular analysis o				
	AU	M. HIBI, et al., <u>GenBank</u> , Accession No.M57230, J glycoprotein gp130 mRNA, complete cds."	anuary 5, 1995. Definition	on: "Human membrane		
	AV	L. HILLIER, et al., <u>GenBank</u> , Accession No.AA0429 Definition: "zk56c03.r1 Soares_pregnant_uterus_N IMAGE:486820 5', mRNA sequence."		NA clone		
	AW	L. HILLIER, et al., GenBank, Accession No.AA707766, December 24, 1997. Definition: "zh24d04.s1 Soares_pineal_gland_N3HPG Homo sapiens cDNA clone IMAGE:412999 3', mRNA sequence."				
	AX	L. HILLIER, et al., GenBank, Accession No.AA005049, 09-MAY-1997. Definition: "zh96c04.r1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:429126 5', mRNA sequence"				
	AY	L. HILLIER, et al., GenBank, Accession No.H48602 Definition: "yq80b01.r1 Soares fetal liver spleen 1N 5' similar to SP:TOLL_DROME P08953 TOLL PRO	FLS Homo sapiens cDN	A clone IMAGE:202057		
	AZ	L. HILLIER, et al., GenBank, Accession No.N41021, 22-JAN-1996. Definition: "yy53b03.s1 Soares_multiple_sclerosis_2NbHMSP Homo sapiens cDNA clone IMAGE:277229 3', mRNA sequence"				
A Committee of the Comm	ВА	L. HILLIER, et al., GenBank, Accession No.R76150 Definition: "yi71d02.r1 Soares placenta Nb2HP HommRNA sequence"	no sapiens cDNA clone I	MAGE:144675 5',		
	ВВ	L. HILLIER, et al., GenBank, Accession No.T60365, 13-FEB-1995. Definition: "yb90h06.r1 Stratagene liver (#937224) Homo sapiens cDNA clone IMAGE:78491 5', mRNA sequence"				
	ВС	DAN HULTMARK, Nature, 367:116-117, January 13, 1994. "Ancient relationships"				
	BD	A.D. LARSEN, <u>GenBank</u> , Accession No.X55721, February 6, 1991. Definition: "Human mRNA coding for granulocyte colony stimulating factor receptor 25-1."				
PREPRETATION OF THE PROPERTY O	BE	BRUNO LEMAITRE, et al., Cell, 86:973-983, Septe "The Dorsoventral Regulatory Gene Cassette spätz Response in Drosophilia Adults"		e Potent Antifungal		
EXAMINE	≅R	DATE CO	ONSIDERED			
*EXAMINEF	₹: Initial	if reference considered, whether or not citation is in conformand	ce with MPEP 609; Draw line t	hrough citation if not in		
conformanc	e and no	ot considered. Include copy of this form with next communication	n to applicant.			

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

		osos rici os reco, so persona are required to respond to a com				
SUBSTIT	UTE F(DR FORM 1449/PTO	ATTY, DOCKET NO.: DX0724XK1D	SERIAL NO.:		
INFO	RM/	ATION DISCLOSURE	APPLICANT:			
			Gerard T. Hardiman			
SIAI	FM	ENT BY APPLICANT	EXAMINER NAME:			
(!!OE &O	8 # A B IV/	OHEETO AO NEOCOGADAN	TBA			
(USE AS	WANY	SHEETS AS NECESSARY)	FILING DATE:	ART UNIT:		
Sheet 5 d	40		04/09/2008	TBA		
Sheet 5)! O					
		OTHER DOCUMENTS (Including Author, Tit	· · ·	•		
Examiner initials*	Cite no.1	Include name of the author (in CAPITAL LETTERS), title magazine, journal, serial, symposium, catalog, etc.), date, country where	page(s), volume-issue number(), title of the item (book, s), publisher, city and/or		
	BF	PATRICK LEMAIRE and LAURENT KODJABAC December 1996. "The vertibrate organizer: struc		, 12(12):525-531,		
	BG	MARK A. LEMMON and JOSEPH SCHLESSING "Regulation of signal transduction and signal dive				
	вн	M. MARRA, et al., GenBank, Accession No.AA26 Definition: "mz93d07.r1 Soares mouse lymph noo IMAGE:720973 5', mRNA sequence."		cDNA clone		
	ВІ	M. MARRA, et al., GenBank, Accession No.AA288480, 04-APR-1997. Definition: "vb16a09.r1 Soares mouse 3NbMS Mus musculus cDNA clone IMAGE:749080 5', mRNA sequence."				
	BJ	R. MEDZHITOV, et al., GenBank, Accession No.U93091, 30-NOV-1998. Definition: 'Human Toll protein homolog mRNA, complete cds and LINE-1 reverse transcriptase homolog, pseudogene"				
	вк	RUSIAN MEDZHITOV, et al., Nature, 388:394-39 "A human homologue of the Drosophila Toll prote		aptive immunity"		
	BL	DONALD MORISATO & KATHYRN V. ANDERSO "SIGNALING PATHWAYS THAT ESTABLISH THE DO EMBRYO"				
	ВМ	D. MUZNY, et al., GenBank, Accession No.AC00 Definition: "Homo sapiens Xp22 PACs RPC11-26				
	BN	NCI-CGAP, <u>GenBank</u> , Accession No.AA740990, Definition: "nz05g01.s1 NCI_CGAP_GCB1 Homo to TR:Q15399 Q15399 ORF, COMPLETE CDS.;	sapiens cDNA clone IMA	GE:1286928 3' similar		
	во	NCI-CGAP, GenBank, Accession No.AA741118, 07-FEB-1998. Definition: "nz04f11.s1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:1286829 3', mRNA sequence."				
	ВР	NCI-CGAP, GenBank, Accession No.AA252405, 13-AUG-1997. Definition: "zs12e09.r1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:685000 5', mRNA sequence."				
To the state of th	BQ	NOBUO NOMURA, et al., DNA Research 1:27-35 "Prediction of the Coding Sequences of Unidentifi 40 New Genes (KIA A0001-KIA A0040) Deduced from Human Immature Myeloid Cell Line KG-1"	ed Human Genes. I. The by Analysis of Randomly			
EXAMINE	ER	DATE	CONSIDERED			
*EXAMINER	R: Initia	l if reference considered, whether or not citation is in conforma	ince with MPEP 609; Draw line	through citation if not in		
		ot considered. Include copy of this form with next communical		-		

PTO/SB/08B (08-03)
Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the

Paperwo	rk Redu	ction Act of 1995, no persons are required to respon-	d to a collection of information unless it o	ontains a valid OMB control num			
SUBSTIT	UTE F	OR FORM 1449/PTO	ATTY. DOCKET NO.: DX0724XK1D	SERIAL NO.: TBA			
INFO	RM	ATION DISCLOSURE	APPLICANT:				
CTAT	-ERA	ENT BY APPLICANT	Gerard T. Hardiman				
SIAI		ENT DI APPLICANT	EXAMINER NAME:	·			
/USF AS	MANY	SHEETS AS NECESSARY)	TBA				
(002,10		or real or residence of real	FILING DATE: 04/09/2008	ART UNIT:			
Sheet 6	of 8		04/07/2008	TBA			
		OTHER DOCUMENTS (Including Aut	thor, Title, Date, Pertinent Page	es, Etc.)			
Examiner initials*	Cite no.1	Include name of the author (in CAPITAL LETTE magazine, journal, serial, symposium, catalog, e cou					
	BR	N. NOMURA, <u>GenBank</u> , Accession No.D Definition: "Human mRNA for KIAA0012					
	BS	HARUKI OKAMURA, et al., Nature, 378:8 "Cloning of a new cytokine that induces If					
	BT	K. OKUBO, <u>GenBank</u> , Accession No. C0 Definition: "HUMGS0008381 Human adu		A, mRNA" sequence."			
	BU	JAY D. PARKER, et al., Nucleic Acids Re "Targeted gene walking polymerase chair		11, 1991.			
	BV	D.H. PRESKY, et al., GenBank, Accession No.U64198, November 26, 1996. Definition: "Human II-12 receptor beta2 mRNA, complete cds."					
	BW	FERNANDO L. ROCK, et al., Proc. Natl. Acad. Sci. USA, 95:588-593, January 1998. "A family of human receptors structurally related to Drosophila Toll"					
	BX	MARCO ROSETTO, et al., <u>Biochem. Biophys. Res. Com.</u> , 209(1):111-116, April 6, 1995. "SIGNALS FROM THE IL-1 RECEPTOR HOMOLOG, TOLL, CAN ACTIVATE AN IMMUNE RESPONSE IN <i>DROSOPHILA</i> HEMOCYTE CELL LINE"					
	BY	J. SAMBROOK, et al., Molecular Cloning, Laboratory Press, 1989. "Expression of C					
	BZ	VENKATAKRISHNA SHYAMALA and GIO "Genome walking by single-specific-prime					
	CA	P. VERHASSELT, et al., <u>DNA Sequence</u> "DNA sequencing by a subcloning-walking polymerase chain reaction"	 J. DNA Sequencing and Mappir g strategy using a specific and se 	ng, 2:281-287, 1992. mi-random primer in the			
	СВ	YANSHU WANG, et al., J. Biological Chemistry, 271(8):4468-4476, February 23, 1996. "A Large Family of Putative Transmembrane Receptors Homologous to the Product of the Drosophila Tissue Polarity Gene frizzled"					
	CC	STEVEN A. WASSERMAN, Molecular Biology of the Cell, 4:767-771, August 1993. "A Conserved Signal Transduction Pathway Regulating the Activity of the rel like Proteins Dorsal and NF-kB"					
West of the second seco	CD	IAIN WILSON, et al., <u>Current Biology,</u> 7(3 "Signaling pathways: A common theme in					
	CE	TAKEUCHI et al., "TLR6: A novel membe 231, pp. 59-65 (1999).	r of an expanding Toll-like recept	or family", <i>Gene</i> , vol.			
EXAMINE	R		DATE CONSIDERED				
45-1643 211 2000							

*EXAMINER: Initial if reference 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.

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

SUBSTIT	UTE FO	DR FORM 1449/PTO	ATTY. DOCKET NO.: DX0724XK1D	SERIAL NO.:			
INFO	RM/	ATION DISCLOSURE		IBA			
ł			APPLICANT: Gerard T. Hardiman				
PIAI		ENT BY APPLICANT	EXAMINER NAME:	······			
// ICE AC	B # A B IV.	OUEETO AO NEOCOGADNO	TBA				
(USE AS	IVIAIN Y	SHEETS AS NECESSARY)	FILING DATE:	ART UNIT:			
<u> </u>			04/09/2008	TBA			
Sheet 7	JT &						
		OTHER DOCUMENTS (Including Author,	Title, Date, Pertinent Page	s, Etc.)			
Examiner initials*	Cite no.1	Include name of the author (in CAPiTAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
	CF	AKIRA et al., "Toll-like receptors: critical protei	ns linking innate and acquire	ed immunity", Nature			
		Immunology, vol. 2, no. 8, pp. 675-680 (2001).		····			
	CG	PENNICA et al, PNAS, Vol. 95, pages 14717-	4722, December 1998				
	СН	HAYNES et al., Electropheresis, Vol. 19, page	s 1862-1871, 1998				
	CI	KONOPKA et al., PNAS, Vol. 83, pages 4049-	4052, 1986		<u> </u>		
	CJ	DataBase: A-Geneseq, Accession No: AAW86	361, Ruben SM[WO985054	17, 03/15/98]	\Box		
	СК	CK DataBase: PIR-80, Accession No. O00206, Medzhitove et al., July 1997					
	CL	GOLENBOOK et al., Nature Immunology, April 2001, Vol. 2, No. 4, pages 286-288.					
	СМ	PEER BORK, "Powers and Pitfalls in Sequence Analysis: The 70% Hurdle", Genome Research, 10:398-400 (2000)					
	CN	PEER BORK, "Go hunting in sequence databated Genetics", Vol. 12:425-427 (October 1996)	ses but watch out for the tra	ps, Trends in			
	CO	STEVEN E. BRENNER, "Errors in genome and (April 1999)	notation, Trends in Genetics	", Vol. 15:132-133			
-	СР	CHAUDHARY et al., "Cloning and Characteriza Genes TIL3 and TIL4: Evidence for a Multi-Ge No. 11:4020-4027 (June 1998)	ation of Two Toll/Interleukin- ne Receptor Family in Huma	1 Receptor-Like ans", Blood, Vol. 91,			
	CQ	CHIANG, et al., "Expression of a Novel Toll-I contribute to hedgehog function in the adult e 47:225-239, (November 1994)	ke gene spans the paraseq ye of Drosophila,", Mechani	gment boundary and sm of Development,			
	CR	DOERCKS et al., "Protein annotation" detective Genetics", Vol. 14:248-25- (June 1998)	work for function prediction	n, Trends in			
	CS	ELDON et al., "The Drosophila 18 wheeler is re similarities to Toll", Development 120:885-899	equired for morphogenesis a (April 1994)	and has striking			
	СТ	HAYNES, et al., "Proteins analysis: Biological assay or data archieve?", Electrophoresis, 19:1862-1871 (August 1998)					
	CU	KONOPKA et al., "Variable expression of the tr	anslocated c-abl oncogene	in Philadelphia-			
		chromosome-positive B-lymphoid cells lines from Proc. Natl. Acad. Sci., USA 83:4049-4052 (Jun	m chronic myelogenous leu	kemia patients,	-		
	CV	MASSAGUE et al., "The TGF-beta Family of G 49:437-438 (May 1987)		ctors", Cell, Vol.			
Examiner	signat		considered:				

*EXAMINER: initial if reference 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. 1 Applicant's unique citation designation number (optional), 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03)

Approved for use through 07/31/2006, OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

SUBSTIT	UTE FO	DR FORM 1449/PTO	ATTY. DOCKET NO.: DX0724XK1D	SERIAL NO.: TBA	1100111
INFO	RM/	ATION DISCLOSURE	APPLICANT:		····
STAT	ΈM	ENT BY APPLICANT	Gerard T. Hardiman		
	Reset F T T T		EXAMINER NAME:		
(USE AS	MANY	SHEETS AS NECESSARY)	TBA FILING DATE:	TART UNIT:	
			04/09/2008	TBA	
Sheet 8 d	of 8				
		OTHER DOCUMENTS (Including Aut	_	•	
Examiner	Cite	Include name of the author (in CAPITAL LETTE	RS), title of the article (when appropria	te), title of the item (book,	
initials*	no.	magazine, journal, serial, symposium, catalog, e cou	ntry where published.		T2
	CW	MITCHAM et al., "T1/ST2 Signaling Esta Receptor Family", The Journal of Biologic	blishes It as a Member of an Ex	panding Interleukin-1	
	CX	PENNICA et al., "WISP genes are mem	bers of the connective tissue a	owth factor family that	
		are up-regulated in Wnt-1 transformed c	ells and aberrantly expressed in	human colon tumors".	
		Vol. 95:14717-14722 (December 1998)			
	CY	PILBEAM et al., "Comparison of the Effe	cts of Various Lengths of Synthe	etic Human	
		Parathyroid Hormone-Related Peptide (h	PTHrP) of Malignancy on Bone	Resorption and	
	CZ	Formation in Organ Culture", Bone 14:71	7-720 (September 1993)	0 (TI DO)	
	CZ	ROCK, et al., "EMBL Asssession No. U8 MRNA, Complete CDs., (October 3, 199)		receptor 2 (TLR2)	
	DA	SKOLNICK et al., "From genes to protein			
		computational approaches in the genomi 2000)	c era", Trends in Biotechnology	18:34-39 (January	
	DB	SMITH et al., "The challenges of genom	e sequence annotation or "The	devil is in the details",	
	DC	Nature Biotechnology, Vol. 15:1222-1223 TAGUCHI et al., "Chromosomal Localiza	tion of TU o Cons Fooding at	Destate Destate 44 - 45 -	
	טט	Drosophila Transmembrane Receptor To	all to Human Chromosome 4n1/	1 Genomics 32:486.	İ
		488 (March 1996)	m, to Haman omornosome 4pr-	+, Ochomics 52.400-	
	DE	VUKICEVIC et al., "Induction of nephroge	enic mesenchyme by osteogenic	protein 1 (bone	
	·	morphogenetic protein 7), Proc. Natl. Aca	ad. Sci USA, Vol. 93:9021-9026	(August 1996)	
	DF	MUNZY et al., GenBank Accession No. A			Total Control
		RPC15-1157M23 (Roswell Park Cancer I	Institute Human PAC Library) co	mplete sequence",	
		December 29, 1998.			
Examiner	signat	ure:	Date considered:		
	O		and the second s		
					Minning

*EXAMINER: initial if reference 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. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

(optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. 8ox 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.