FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)



10-25-2001

ET

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

M&G-12152.000001 101885833 To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Wayne Hughes Institute Parker Hughes Institute **Hughes Institute** 2665 Long Lake Road St. Paul, MN 55113 Additional name(s) of conveying party(ies) attached? 

Yes 
No Additional name(s) & address(es) attached? 

Yes 
No Nature of conveyance: Assignment Merger Security Agreement Change of Name Other: Execution Date: December 2, 1999 and December 9, 1999 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) See Table A See Table A Additional numbers attached? 

✓ Yes 

No 6. Total number of applications and patents involved: 70 5. Name and address of party to whom correspondence concerning document should be mailed: \$2,800.00 7. Total fee (37 CFR 3.41): Previously submitted on 2/27/01 Denise M. Kettelberger Name: Authorized to be charged to deposit account Merchant & Gould P.C. Address: P.O. Box 2903 8. Please charge any additional fees or credit any Minneapolis, MN 55402-0903 overpayments to our Deposit account number: 13-2725 PATENT TRADEMARK OFFICE

DO NOT 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.

Denise M. Kettelberger

Name of Person Signing

Total number of pages including cover sheet, attachments, and document: 10

Do not detach this portion

Mail documents to be recorded with required cover sheet information to: **Box Assignments** 

U.S. Patent and Trademark Office

Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

009USD2   09/505,386	009USD1 09/457,247	009USC1 09/457,273	009US02 09/187,115	009US01 09/008,898	008USD2 09/205,785	008USD1 09/205,469	008USC4 09/690,265	008USC3	008USC2 09/205,253	008USC1 09/205,167	008US01 09/040,538
86 2/16/00	47 12/8/99	73 12/8/99	15 11/5/98	98 1/20/98	85 12/4/98	39   12/4/98	35 10/17/00	to be filed	53 12/4/98	37 12/4/98	3/17/98
Oxo-Vanadium (IV) Complexes having Spermicidal Activity (methods)	Vanadium (IV) Metallocene Complexes Having Spermicidal Activity	Vanadium (IV) Metallocene Complexes Having Spermicidal Activity	Oxo-Vanadium (IV) Complexes having Spermicidal Activity (compositions)	Vanadium (IV) Metallocene Complexes Having Spermicidal Activity Methods, vanadocene dichloride as a disclosed species	Heterocyclic Nonnucleoside Inhibitors of Reverse Transcriptase	Nonnucleoside Inhibitors of Reverse Transcriptase Group II, DABO; claims 29-37; 39-43	Beta-Fluoroethyl Thiourea Compounds & Use	Nonnucleoside Inhibitors of Reverse Transcriptase	Nonnucleoside Inhibitors of Reverse Transcriptase Method of use claims for preferred HEPT cmpds (claims 25-43)	Nonnucleoside Inhibitors of Reverse Transcriptase (PHET)	Nonnucleoside Inhibitors of Reverse Transcriptase (Heterocyclic)
The state of the s				6,051,603	Michigan Marian	6,124,307			6,156,759		5,998,411
Section (Section (Sec		i della		<u>4</u> /18/00		9/26/00			12/5/00		12/7/99
Hughes Institute	Wayne Hughes Institute	Wayne Hughes Institute	Hughes Institute	Wayne Hughes Institute	Wayne Hughes Institute	Wayne Hughes Institute	Wayne Hughes Institute	Wayne Hughes Institute	Wayne Hughes Institute	Wayne Hughes Institute	Wayne Hughes Institute

018US01	017US01	016US01	015USI1 (cont. of 15WOI1)	015USC5	015USC4	015USC3	015USC2	015US01	011USI1	011USC1	011US01	010US02	<b>M&amp;G#</b> 010US01
09/128,204	09/114,503	09/114,680	09/450,092	09/548,494	09/548,492	09/548,496	09/464,516	09/107,716	to be filed (additional aa paper per examiner)	09/497,297	09/047,609	09/184,792	09/009,057
8/3/98	7/13/98	7/13/98	11/29/99	4/13/00	4/13/00	4/13/00	12/15/99	6/29/98		2/3/00	3/25/98	11/2/98	Filing Date 1/20/98
Flavonoids for Protection from Ischemic Damage	Recombinant DTCTGMCSF Fusion Toxin in a Baculovirus Expression Vector System	EGF-Isoflavone Conjugates for the Prevention of Restenosis	Aryl Phosphate Derivatives of d4T Having Anti-HIV Activity	Aryl Phosphate Derivatives of d4T Having Anti-HIV Activity	Aryl Phosphate Derivatives of d4T Having Anti-HIV Activity	Aryl Phosphate Derivatives of d4T Having Anti-HIV Activity	Aryl Phosphate Derivatives of d4T Having Anti-HIV Activity	Aryl Phosphate Derivatives of d4T Having Anti-HIV Activity	Dual Function Spermicides with Potent Anti-HIV Activity add specific amino acids	AZT Derivatives Exhibiting Spermicidal and Anti-viral Activity	AZT Derivatives Exhibiting Spermicidal and Anti-viral Activity	Versitile Intermediate for Annonaceus Acetagenins	Novel Intermediates for Annonaceus Acetogenins
A de la companya de l	6,168,932	6,034,053						6,030,957				6,150,540	<b>Faion!No</b> 5,914,410
A CONTRACTOR OF THE PROPERTY O	1/2/01	3/7/00						2/29/00				11/21/00	6/22/99
Wayne Hughes Institute	Wayne Hughes Institute	Wayne Hughes Institute	Hughes Institute	Hughes Institute	Hughes Institute	Hughes Institute	Hughes Institute	Hughes Institute	Wayne Hughes Institute	Wayne Hughes Institute	Wayne Hughes Institute	Hughes Insitute	Wayne Hughes Institute

BTK Inhibitors and Methods for Their 6,160,010	2/12/00	Hughes Institute
	6,066,640	6,066,640 5/23/00 Hughes Institute
Inhibitors of the EGF-Receptor Tyrosine Kinase and Methods for Their Use		Hughes Institute
JAK-3 Inhibitors for Treating Allergic Disorders		Hughes Institute
		Hughes Institute
	6,177,433	6,177,433   1/23/01   Hughes Institute
	6,080,748	3,080,748   6/27/00   Hughes Institute
JAK-3 Inhibitors for Treating Allergic Disorders	6,080,747	6,080,747   6/27/00   Hughes Institute
DABO compounds and compositions Exhibiting Spermicidal Activity		Hughes Institute
Phenethyl-5-Bromopyridylthiourea (PBT) Derivatives Exhibiting Spermicidal Activity		Hughes Institute
		Hughes Institute
Tubulin Binding Compounds (Cobra)		Hughes Institute
Tubulin Binding Compounds (Cobra)		Hughes Institute
(Cobra)		Hughes Institute
Alkyl Ketones as Potent Anti-Cancer Agents		Hughes Institute
Lipid-Lowering Quinazoline Derivative (methods)	6,172,071	6,172,071   1/9/01   Hughes Institute
Quinazolines and Method of Use		Wayne Hughes Institute
Quinazolines for Treating Brain Tumor		Wayne Hughes Institute

Hughes Institute		Phenethyl-Thiourea Compounds and	12/20/00		060USD1
Hughes Institute	The state of the s	Phenethyl-Thiourea Compounds and Use (PHET)	12/20/00		060USC1
Hughes Institute		Phenethyl-Thiourea Compounds and Use (PHET)	6/23/99	09/338,090	060US01
Hughes Institute		Cyclohexenyl-Ethyl-Thiourea compounds and Use (CHET)	6/23/99	09/338,686	059US01
Hughes Institute	6,124,324 9/26/00	Thiophene-ethyl Thiourea Compounds and Use	6/23/99	09/338,685	058US01
Hughes Institute		Melamine derivatives as potent anti- cancer agents	6/23/99	09/338,679	057US01
Hughes Institute		NNI for Treatment of Multi-Drug Resistant HIV	3/19/99	09/264,141	055US01
Hughes Institute		Quinazoline Derivatives with Specific Anticancer Activities	7/20/99	09/357,404	054USU1
Hughes Institute		Synthesis and Antileukemic Activity of Phenylarsonic-AcidSubstitute	11/27/00	09/722,934	051USU1
Hughes Institute		Synthesis and Antileukemic Activity of Phenylarsonic-AcidSubstitute	11/27/00	09/723,220	051USC1
Hughes Institute		Synthesis and Antileukemic Activity of Phenylarsonic-AcidSubstitute	6/23/99	09/338,680	051USU1
Hughes Institute		Calanolides for Inhibiting BTK	7/15/99	09/354,550	044USU1
Hughes Institute		BTK Inhibitors and Methods for Their Identification and Use	3/19/99	09/273,191	043USU1
Hughes Institute		BTK Inhibitors and Methods for Their Identification and Use	10/4/99	09/411,759	043USD1
Hughes Institute		BTK Inhibitors and Methods for Their Identification and Use	12/7/00	09/731,989	043USC3
Hughes Institute		BTK Inhibitors and Methods for Their Identification and Use	10/16/00	09/688,426	043USC2
		Identification and Use			

	Serial 15		Parent No.	Issue Date   Lungan Assignee
	37		Use (PHET)	
061US01	09/455,846	12/7/99	Estrogens for treating ALS	Hughes Institute
064US01	09/606,926	7/29/00	Trihydroxy-methoxyphenyl- acetophenone for inhibiting allergic and inflamatory reactions	Hughes Institute
070US01	09/539,739	3/31/00	Cathepsin Inhibitors in Cancer Treatment	Hughes Institute
071US01	09/540,337	3/31/00	Calpain Inhibitors in Cancer Treatment	Hughes Institute
074US01		5/31/00	Miscellaneous Design	Hughes Institute
075USU1	09/378,531	8/20/99	Vanadium Compounds for Treating Cancer; Method, Composition and Compound Claims	Hughes Institute
076USD1	09/688,756	10/16/00	Therapeutic Compounds (Method of treating Cancer and Inflammatory Diseases with Quinazolines)	Hughes Institute
076USU1	09/378,093	8/20/99	Therapeutic Compounds (Method of Treating Skin Diseases with Quinazolines)	Hughes Institute
077USU1	09/345,815	6/30/99	Method for Inhibiting C-Jun Expression Using JAK-3 Inhibitors (p. 131; P. 154)	Hughes Institute
093USU1	09/352,648	6/29/99	Synthetic Spiroketal Pyranes as Potent Anti-Cancer Agents	Hughes Institute

FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) M&G-



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

1. Name of conveying party(ies):	Name and address of receiving party(ies):
Wayne Hughes Institute Hughes Institute	Parker Hughes Institute
3-2-0	
Additional name(s) of conveying party(ies) attached? You are a significant of the signifi	
Execution Date: December 2, 1999 and D	ecember 9, 1999
4. Application number(s) or patent number	r(s):
If this document is being filed together	with a new application, the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
See Table A	See Table A
5. Name and address of party to whom co document should be mailed:	Additional numbers attached? ☑ Yes ☐ No  rrespondence concerning 6. Total number of applications and patents involved: 70  7. Total fee (37 CFR 3.41): \$2,800.00
Name: Denise M. Kettelberger Address: Merchant & Gould P.C. P.O. Box 2903	Enclosed Authorized to be charged to deposit account
Minneapolis, MN 55402-09	23552 PATENT TRADEMARK OFFICE  8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725
0 <u>9/2001 DBYRNE 00000089 09040538</u>	DO NOT USE THIS SPACE
FC:581 2800.00 OP	DO NOT USE THIS STACE
9. Statement and signature:	is a true and correct and any attached copy is a true copy of the
original document.	f, the foregoing information is true and correct and any attached copy is a true copy of the  February 27, 2001
Denise M. Kettelberger	Signature  Total number of pages including cover sheet, attachments, and document
	m . I 1.344 names inclining cover short, inclining
Name of Person Signing	Do not detach this portion 2800E

Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office of Information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Patent and Trademark Office, Office of Information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Patent and Trademark Office, Office of Information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Patent Patent

## MINNESOTA SECRETARY OF STATE AMENDMENT OF ARTICLES OF INCORPORATION

THILIDINENT OF ARTICLES OF INCORPORATION

BEFORE COMPLETING THIS FORM, PLEASE READ	NSTRUCTIONS LISTED BELOW.
CORPORATE NAME:(List the name of the company price	or to any desired name change)
Hughes Institute	
This amendment is effective on the day it is filed with the later than 30 days after filing with the Secretary of State.	ne Secretary of State, unless you indicate another date, n
The following amendment(s) of articles regulating the amended article(s) indicating which article(s) is (are) being not fit in the space provided, attach additional numbered particle.  ARTICLE	above corporation were adopted: (Insert full text of newling amended or added.) If the full text of the amendment with pages. (Total number of pages including this form1)
The name of this Corporation is Wayne Hu	aghes Institute.
•	
This amendment has been approved pursuant to Minne authorized to execute this amendment and I further certicubject to the penalties of perjury as set forth in section 60	esota Statutes chapter 302A or 317A. I certify that I am by that I understand that by signing this amendment, I am 9.48 as it I had signed this amendment under oath.
·	Oll asher
	(Signature of Authorized Person) Alan C. Eidsness, Secretary
NSTRUCTIONS	FOR OFFICE USE ONLY
Type or print with black ink. A Filing Fee of: \$35.00, made payable to the Secretary of State. Return completed forms to:	STATE OF MINNESOTA DEPARTMENT OF STATE FILED
Secretary of State 180 State Office Building	PEC 02 1999
100 Constitution Ave. St. Paul, MN 55155-1299	many biffneyer
(612)296-2803	Secretary of State
0892/1340 Few 8/92	034812



## MINNESOTA SECRETARY OF STATE AMENDMENT OF ARTICLES OF INCORPORATION

#23

1N-231

ORE COMPLETING THIS FORM, PLEASE READ INSTRUCTIONS LISTED BELOW.

The first that the factor and a	
PORATE NAME: (List the name of the company prior	r to any desired name change)
Wayne Hughes Institute	
amendment is effective on the day it is filed with the than 30 days after filing with the Secretary of State.	e Secretary of State, unless you indicate another date, no
are arride(s) indicating which article(s) is (are) being	above corporation were adopted: (Insert full text of newly g amended or added.) If the full text of the amendment will lages. (Total number of pages including this form1_)
The name of this Corporation is Parke	r Hughes Institute.
amendment has been approved pursuant to Minn norized to execute this amendment and I further cert ject to the penalties of perjury as set forth in section 60	esota Statutes chapter 302A or 317A. I certity that I amily that I understand that by signing this amendment, I amily 19.48 as I bad signed this amendment under oath.
A1	(Signature of Authorized Person) an C. Ridsness, Secretary
TRUCTIONS	FOR OFFICE USE ONLY
Type or print with black ink.  A Filing Fee of: \$35.00, made payable to the  Secretary of State.  Return completed forms to:	STATE OF MINNESOTA OXPARTMENT OF STATE FILED
Secretary of State	DEC 0 9 1999
180 State Office Building St. Paul, MN 55155-1299	Thong Kiffneyor
(612)296-2803	Secretary of State
21340 Plev. 8/92	
035652	

**RECORDED: 03/02/2001**