Patent

03-28-2003

Recordation Form Cover Sheet Patents Only 3-74-23 **MMERCE** K OFFICE To the Commissioner for Patents: Please record the attached original documents or copy thereof. 1. Submission Type ⊠ New Resubmission (Non-Recordation) Document ID# Correction of PTO Error Reel# Frame # Corrective Document Reel# Frame # 2. Conveyance Type: Assignment License Security Agreement Other Change of Name Merger 3. Conveying party(ies): John A. BUTERA Hassan M. ELOKDAH Theodore S. SULKOWSKI John L. PRIMEAU Russell F. GRACEFFA Joseph R. LENNOX Additional name(s) of conveying party(ies) attached: Yes ⊠ No John A. BUTERA -- October 4, 2002 **Execution Date:** Hassan M. ELOKDAH -- October 4, 2002 Theodore S. SULKOWSKI --October 4, 2002 John L. PRIMEAU --October 22, 2002 Russell F. GRACEFFA October 19, 2002 Joseph R. LENNOX --October 18, 2002 00000105 011425 03/27/2003 TDIAZ1 01 FC=8021 4. Recording party(ies): Wyeth Five Giralda Farms Madison, New Jersey 07940 Additional name(s) and address(es) attached: Yes No No 5. Correspondent address: Michael R. Nagy Wyeth Patent Law Department Five Giralda Farms Madison, NJ 07940 Tel. No. (610) 902-2624

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Patent

	 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 Number(s): 10/282,540, filed on October 29, 2002 B. Patent Number(s): C. Patent Cooperation Treaty (PCT) Application Number(s) (only if a U.S. Application Number has not been assigned): Additional numbers attached: 	
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	March 24, 2003 Date Michael R. Nagy Attorney for Applicants Reg. No. 33,432	
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Patent

For: U.S. and/or Foreign Rights For: U.S. Application or U.S. Patent		
Assignment of Invention		
In consideration of the payment by ASSIGNEE to ASSIGNOR of good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR:		
(1) Full Name of Inventor: John A. BUTERA Residence: 6 Lawrence Spring Drive, Clarksburg, NJ 08510 Citizenship: USA		
(2) Full Name of Inventor: Hassan M. ELOKDAH Residence: 1487 Merrick Road, Yardley, PA 19067 Citizenship: USA		
hereby sells, assigns and transfers to ASSIGNEE:		
Wyeth Five Giralda Farms Madison, New Jersey 07940-0874		
and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to the invention entitled: 1,3-DISUBSTITUTED-2-THIOXO-IMIDAZOLIDINE-4,5-DIONES AS POTASSIUM CHANNEL OPENERS		
and invented by ASSIGNOR and the following additional inventors, if any: Theodore S. SULKOWSKI; John L. PRIMEAU; Russell F. GRACEFFA; Joseph R. LENNOX		
and which is found in [check and complete (a), (b), (c), (d) or (e)] (a) U.S. patent application executed on even date herewith. (b) U.S. patent application executed on: (c) U.S. provisional application, not yet filed, naming the above inventor(s) for the above-entitled invention		
Express mail label no.: (d) U.S. application Serial No. filed on: (e) U.S. Patent No. issued on:		
[also check (f) if foreign application(s) is(are) also being assigned]		
(f) and any legal equivalent thereof in a foreign country,		
including the right to claim priority, including any and all improvements disclosed therein, and in and to all Letters Patent to be obtained for said invention by the above application or any		

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subsequently filed provisional, nonprovisional, continuation, divisional, renewal, or substitute thereof, and as to Letters Patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

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ASSIGNOR covenants and agrees to execute or procure any further necessary assurance of the title to said invention and any Letters Patent which may issue therefor and to, at any time, upon the request and at the expense of ASSIGNEE deliver any testimony in any interference, litigation or proceeding related thereto and execute all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefor in ASSIGNEE, its successors, assigns or other legal representatives, and that to, at any time, upon the request and at the expense of ASSIGNEE execute any continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to Letters Patent and reissue or re-examination thereof, or any other additional applications of Letters Patent for said invention or any part thereof, all of which applications and any Letters Patent issuing thereon are hereby assigned to ASSIGNEE, and will make all rightful oaths or declarations, and do all lawful acts requisite for procuring the same therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

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applications to its ASSIGNEE.
John a Bute 10/4/02
John A. BUTERA L.S. Date
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
ACKNOWLEDGMENT
State of New Jersey }
ss:
County of Middlesex }
On the 41hday of 04. 2002, John A. BUTERA personally appeared before me, known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.
MARIE ARCARO Y COMMISSION EXPIRES  MANIE ARCARO MANIE ARCARO
ON JUNE 9, 2004 Notary Public
Hassan M. ELOKDAH L.S. Date
ACKNOWLEDGMENT
State of New Jersey }
County of Middlesex }
<u> </u>
On the 4th day of 0ch, 2002, Hassan M. ELOKDAH personally appeared before me, known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.
Marie areas
Notary Public
MARIE ARGARO MY COMMISSION EXPIRES ON JUNE 9, 2004

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Assignment of Invention

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For: For:	⊠ U.S ⊠ U.S	. and/or
		Assignment of Invention
		ideration of the payment by ASSIGNEE to ASSIGNOR of good and valuable the receipt of which is hereby acknowledged,
(1)	Residen	me of Inventor: Theodore S. SULKOWSKI ce: 316 Rockland Road, Wayne, PA 19087 hip: USA
hereb	y sells, a	ssigns and transfers to ASSIGNEE:
		Wyeth
		Five Giralda Farms Madison, New Jersey 07940-0874
intere all rig <b>1,3-D</b>	est for the ghts to cla	ssors, assigns and legal representatives of the ASSIGNEE the entire right, title and a United States and its territorial possessions and in all foreign countries, including aim priority, in and to the invention entitled:  CITUTED-2-THIOXO-IMIDAZOLIDINE-4,5-DIONES AS POTASSIUM OPENERS
John		by ASSIGNOR and the following additional inventors, if any: ERA; Hassan M. ELOKDAH; John L. PRIMEAU; Russell F. GRACEFFA;
and w	which is for [check a (a) (b) (c)	ound in and complete (a), (b), (c), (d) or (e)]  U.S. patent application executed on even date herewith.  U.S. patent application executed on:  U.S. provisional application, not yet filed, naming the above inventor(s) for the above-entitled invention
	(d) [ (e) [	<ul><li>Express mail label no.:</li><li>U.S. application Serial No. filed on:</li><li>U.S. Patent No. issued on:</li></ul>
	[also che	eck (f) if foreign application(s) is(are) also being assigned]
	(f) 🔀	and any legal equivalent thereof in a foreign country,
in and subse	d to all I quently f	right to claim priority, including any and all improvements disclosed therein, and Letters Patent to be obtained for said invention by the above application or any filed provisional, nonprovisional, continuation, divisional, renewal, or substitute to Letters Patent any reissue or re-examination thereof.
	ASSIGN	NOR hereby covenants that no assignment, sale, agreement or encumbrance has

been or will be made or entered into which would conflict with this assignment.

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Patent

ASSIGNOR authorizes ASSIGNEE to make applications for and to receive Letters patent for said invention in any of said countries in its own name, or in ASSIGNOR's name, at its election.

ASSIGNOR covenants and agrees to execute or procure any further necessary assurance of the title to said invention and any Letters Patent which may issue therefor and to, at any time, upon the request and at the expense of ASSIGNEE deliver any testimony in any interference, litigation or proceeding related thereto and execute all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefor in ASSIGNEE, its successors, assigns or other legal representatives, and that to, at any time, upon the request and at the expense of ASSIGNEE execute any continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to Letters Patent and reissue or re-examination thereof, or any other additional applications of Letters Patent for said invention or any part thereof, all of which applications and any Letters Patent issuing thereon are hereby assigned to ASSIGNEE, and will make all rightful oaths or declarations, and do all lawful acts requisite for procuring the same therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

ASSIGNOR authorizes and requests the Commissioner of Patents to issue any and all Letters Patent of the United States for said invention, resulting from any of the aforesaid applications to its ASSIGNEE.

Redoc S. Sultonali	10/04/02
Theodore S. SULKOWSKI L.S.	Date '
ACKNOWLI	 EDGMENT
State of Pennsylvania }	
County of Delaware ss:	
On the 4 day of Otologo 2002, Theodorme, known by me to be the same person do instrument, and acknowledged that he/she executive.	escribed in and who executed the foregoing
the purposes set forth.	Dennis M Centry
	Notary Public

NOTARIAL SEAL
DENNIS McCARTHY, NOTARY PUBLIC
WAYNE, DELAWARE COUNTY
My Commission Expires April 25, 2005

Patent

	For:  U.S. and/or  Foreign Rights For:  U.S. Application or  U.S. Patent	
	Assignment of Invention	
consid	In consideration of the payment by ASSIGNEE to ASSIGNOR of good and valuable leration, the receipt of which is hereby acknowledged, GNOR:	
	Full Name of Inventor: John L. PRIMEAU Residence: 5 Dana Drive, Westford, MA 01886 Citizenship: Canada	
hereby	y sells, assigns and transfers to ASSIGNEE:	
	Wyeth Five Giralda Farms Madison, New Jersey 07940-0874	
interes all right 1,3-Dl	e successors, assigns and legal representatives of the ASSIGNEE the entire right, title and st for the United States and its territorial possessions and in all foreign countries, including hts to claim priority, in and to the invention entitled:  ISUBSTITUTED-2-THIOXO-IMIDAZOLIDINE-4,5-DIONES AS POTASSIUM NNEL OPENERS	
John .	vented by ASSIGNOR and the following additional inventors, if any:  A. BUTERA; Hassan M. ELOKDAH; John L. PRIMEAU; Russell F. GRACEFFA; R. LENNOX	
	hich is found in  [check and complete (a), (b), (c), (d) or (e)]  (a)   U.S. patent application executed on even date herewith.  (b)   U.S. patent application executed on:  (c)   U.S. provisional application, not yet filed, naming the above inventor(s) for the above-entitled invention  Express mail label no.:  (d)   U.S. application Serial No. filed on:  (e)   U.S. Patent No. issued on:	
	[also check (f) if foreign application(s) is(are) also being assigned]	
	(f) and any legal equivalent thereof in a foreign country,	
in and	ling the right to claim priority, including any and all improvements disclosed therein, and to all Letters Patent to be obtained for said invention by the above application or any quently filed provisional, nonprovisional, continuation, divisional, renewal, or substitute of, and as to Letters Patent any reissue or re-examination thereof.	
	ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has or will be made or entered into which would conflict with this assignment.	

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ASSIGNOR covenants and agrees to execute or procure any further necessary assurance of the title to said invention and any Letters Patent which may issue therefor and to, at any time, upon the request and at the expense of ASSIGNEE deliver any testimony in any interference, litigation or proceeding related thereto and execute all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefor in ASSIGNEE, its successors, assigns or other legal representatives, and that to, at any time, upon the request and at the expense of ASSIGNEE execute any continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to Letters Patent and reissue or re-examination thereof, or any other additional applications of Letters Patent for said invention or any part thereof, all of which applications and any Letters Patent issuing thereon are hereby assigned to ASSIGNEE, and will make all rightful oaths or declarations, and do all lawful acts requisite for procuring the same therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

Letters Patent of the United States for said invention, resulting from any of the aforesaid applications to its ASSIGNEE.

John L. PRIMEAU

L.S. Date

ACKNOWLEDGMENT

State of Massachusetts

SS:

County of Middlesex

State of Middlesex

State of Middlesex

State of Middlesex

State of Middlesex

by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set

ASSIGNOR authorizes and requests the Commissioner of Patents to issue any and all

Kathle, Goung Notary Public

2002, John L. PRIMEAU personally appeared before me, known

KATHLEEN YOUNG Notary Public Commonwealth of Massachusetts My Commission Expires February 7, 2008

day of

On the

forth.

Patent

For: U.S. and/or Foreign Rights For: U.S. Application or U.S. Patent	
Assignment of Invention	
In consideration of the payment by ASSIGNEE to ASSIGNOR of good and consideration, the receipt of which is hereby acknowledged, ASSIGNOR:	valuable
(1) Full Name of Inventor: Russell F. GRACEFFA Residence: 2 Wingate Street, Hampton, NH 03842 Citizenship: USA	
hereby sells, assigns and transfers to ASSIGNEE:	
Wyeth Five Giralda Farms Madison, New Jersey 07940-0874	
and the successors, assigns and legal representatives of the ASSIGNEE the entire right interest for the United States and its territorial possessions and in all foreign countries, all rights to claim priority, in and to the invention entitled:  1,3-DISUBSTITUTED-2-THIOXO-IMIDAZOLIDINE-4,5-DIONES AS POTACHANNEL OPENERS	including
and invented by ASSIGNOR and the following additional inventors, if any: John A. BUTERA; Hassan M. ELOKDAH; Theodore S. SULKOWSKI; John L. PR Joseph R. LENNOX	IMEAU;
and which is found in  [check and complete (a), (b), (c), (d) or (e)]  (a)  U.S. patent application executed on even date herewith.  (b)  U.S. patent application executed on:  (c)  U.S. provisional application, not yet filed, naming the above inventhe above-entitled invention  Express mail label no.:  (d)  U.S. application Serial No. filed on:  (e)  U.S. Patent No. issued on:	tor(s) for
[also check (f) if foreign application(s) is(are) also being assigned]	
(f) and any legal equivalent thereof in a foreign country,	
including the right to claim priority, including any and all improvements disclosed the in and to all Letters Patent to be obtained for said invention by the above application subsequently filed provisional, nonprovisional, continuation, divisional, renewal, or sthereof, and as to Letters Patent any reissue or re-examination thereof.	n or any

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Kussell & Suffe	10/19/02
Russell F. GRACEFFA L.S.	Date
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
ACKNOWLED	OGMENT
State of New Hampshire }	
SS:	
County of}	
On the 19 day of Atoben 2002, Russell F. 6 known by me to be the same person described in and acknowledged that he/she executed the same, set forth.	and who executed the foregoing instrument,
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Buerly I /dust Notary Public my comm Exp. 8-23-05

Page 2 of 2

Assignment of Invention

Patent

	For: 🔯 U.S. and/or 🔯 Foreign Rights For: 🔯 U.S. Application or 🔲 U.S. Patent	
	Assignment of Invention	
	In consideration of the payment by ASSIGNEE to ASSIGNOR of good and valuable deration, the receipt of which is hereby acknowledged, GNOR:	
(1)	Full Name of Inventor: Joseph R. LENNOX Residence: 2212 Carol View Drive, Apt. 315, Cardiff-by-the-Sea, CA 92007 Citizenship: USA	
hereb	y sells, assigns and transfers to ASSIGNEE:	
	Wyeth Five Giralda Farms Madison, New Jersey 07940-0874	
intereall rig	ne successors, assigns and legal representatives of the ASSIGNEE the entire right, title and est for the United States and its territorial possessions and in all foreign countries, including this to claim priority, in and to the invention entitled:  ISUBSTITUTED-2-THIOXO-IMIDAZOLIDINE-4,5-DIONES AS POTASSIUM NNEL OPENERS	
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and w	which is found in  [check and complete (a), (b), (c), (d) or (e)]  (a)   U.S. patent application executed on even date herewith.  (b)   U.S. patent application executed on:  (c)   U.S. provisional application, not yet filed, naming the above inventor(s) for the above-entitled invention  Express mail label no.:  (d)   U.S. application Serial No. filed on:  (e)   U.S. Patent No. issued on:	
	[also check (f) if foreign application(s) is(are) also being assigned]	
	(f) and any legal equivalent thereof in a foreign country,	
in an subse	ding the right to claim priority, including any and all improvements disclosed therein, and d to all Letters Patent to be obtained for said invention by the above application or any quently filed provisional, nonprovisional, continuation, divisional, renewal, or substitute of, and as to Letters Patent any reissue or re-examination thereof.	
been	ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has or will be made or entered into which would conflict with this assignment.	

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10/18/07

ACKNOWLEDGMENT

State of California  $\}$  ss County of San Diego

On the 18th day of October 2002, Joseph R. LENNOX personally appeared before me, known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

Notary Public



## CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California  County of San Diego	<b>}</b> ss.
On OC+. 18, 2002, before me, 2	Name and Title of Officer (e.g., "Jane Doe, Notary Public")  Lennox  Name(s) of Signer(s)
	personally known to me proved to me on the basis of satisfactory evidence
DONNA G. FRICK Commission # 1290061 Notary Public - California San Diego County My Comm. Expires Feb 6, 2005	to be the person(s) whose name(s) is/are- subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
Place Notary Seal Above	WITNESS my hand and official seal.  Signature of Notary Public
Though the information below is not required by la	PTIONAL  w, it may prove valuable to persons relying on the document and reattachment of this form to another document.
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Document Date: 10-18-02	Number of Pages:5
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