08-09-2000

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TO THE ASSISTANT COMMISSION 1014272: SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENT	TO OR CORVELIERS
1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):	IS OR COPY THEREOF.
	2. Harold BORBE
3. Heinz ULRICH	4. Helmut HETTCHE
1. Klaus WESSEL 3. Heinz ULRICH 5. Lester PACKER 7. Hans BISSWANGER 7. Hans BISSWANGER	6. Amira KLIP
ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACH	
2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:	000
NAME: ASTA Medica Aktiengesellschaft	17
ADDRESS: An der Pikardie 10, 01277 Dresden, GERMANY	
	Sus PG/122V2CE
ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES 3. NATURE OF CONVEYANCE (DOCUMENT):	NO 09/628255
	copies of same Assignment signed by different inventors is one
document)	
☑ASSIGNMENT OF ☑WHOLE ☐PART INTEI	· · · · · · · · · · · · · · · · · · ·
	1995; 3) April 4, 1995; 4) April 18, 1995; 5) Marc 28, 1995; 6) March 28, 1995; 7) April 3, 1995
☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION	
SECURITY MERGER OTHER:	AUTH, (NOTE, IF DATES ON DESI ADATION AND
EXECUTION DATE(S) ON THE DECLARATION IF FILED HERE ASSIGNMENT DIFFER SEE ATTY!)	WITH: (NOTE: IF DATES ON DECLARATION AND
4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL	HEET(S) attached? YES NO
	HEET(S) attached? YES NO B. PATENT NO(S) M# 1st INVENTOR If not in item 1
4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL: A. PAT. APP. NO.(S) M# 1* INVENTOR If not in item 1. Cont. of Appln. No. 271205	B. PATENT NO(S) M# 1st INVENTOR
4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL S A. PAT. APP. NO.(S) M# 1* INVENTOR If not in item 1. no Cont. of Appln. No. 09/285,460	B. PATENT NO(S) M# 1st INVENTOR if not in item 1
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4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SAME APP. NO.(S) M# 1* INVENTOR If not in item 1 no Cont. of Appln. No. 271205 09/285,460 5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed: Pillsbury Madison & Sutro LLP Intellectual Property Group	B. PATENT NO(S) M# 1st INVENTOR If not in item 1 6. NUMBER INVOLVED: APPLNS 1 + PATS = TOTAL 1
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4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SAME ALPAT. APP. NO.(S) M# 1* INVENTOR If not in Item 1. Cont. of Appln. No. 09/285,460 5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed: Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 NEW YORK AVENUE, N.W. NINTH FLOOR, EAST TOWER WASHINGTON, D.C. 20005-3918	6. NUMBER INVOLVED: APPLNS 1 + PATS = TOTAL 1 7. AMOUNT OF FEE ENCLOSED: (Code 581) ABOVE TOTAL x \$40 = \$40 8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE
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4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SAME Series code/serial no. Cont. of Appln. No. 09/285,460 5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed: Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 NEW YORK AVENUE, N.W. NINTH FLOOR, EAST TOWER WASHINGTON, D.C. 20005-3918 5.5ATTY DKT: PMS 271205 93230 PH CLIENT REF. 93230 PH CLIENT REF. 1** INVENTOR If Inventor In	6. NUMBER INVOLVED: APPLNS 1 + PATS = TOTAL 1 7. AMOUNT OF FEE ENCLOSED: (Code 581) ABOVE TOTAL x \$40 = \$40 8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975 UNDER ORDER NO 11468 271205
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4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SALENDARY NO.(S) M# Inventor If not in Item 1. Cont. of Appln. No. 09/285,460 5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed: Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 NEW YORK AVENUE, N.W. NINTH FLOOR, EAST TOWER WASHINGTON, D.C. 20005-3918 5.5ATTY DKT: PMS 271205 0000000 0362000 037 MATTER NO. 19.11 STATEMENT AND SIGNATURE. To the best of my knowledge and belief, the foregoing informathe original document. Signature	6. NUMBER INVOLVED: APPLNS 1 + PATS = TOTAL 1 7. AMOUNT OF FEE ENCLOSED: (Code 581) ABOVE TOTAL x \$40 = \$40 8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975 UNDER ORDER NO 11468 271205 dup. sheet not required CLIENT NO. MATTER NO. ion is true and correct and any attached copy is a true copy of 10. Total number of pages including this cover sheet, attachments and document 9
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FILE WITH PTO RETURN RECEIPT (PAT-103A)

PAT-114X 3/98

1100 New York Avenue, N.W. Washington, D.C. 20005-3918

Name: Klaus WESSEL

Name: Harold BORBE

For Inventions made outside USA

<u>executed with or after application</u>

Atty. Dkt. <u>217272 / 93230PH</u>

M#

Client Ref.

USA Patent Appln. Sole or Joint

ASSIGNMENT

	For good and valuable consideration, the reare hereby acknowledged, undersigned, to wit:	ceipt and sufficiency of which
	(1) Klaus WESSEL	(4) Helmut HETTCHE
Insert Name(s) of inventors	(2) Harold BORBE	(5) Lester PACKER
page 2	(3) Heinz ULRICH	[x] x box if continued on
·	hereby sell(s), assign(s) and transfer(s) unto: ASTA Medica Aktiengesellschaft	72.5€
Insert Name(s) of Assignee(s) and Address(es)	An der Pikardie 10, 01277 Dresden Germany	
	ignated "ASSIGNEE") the entire right, title and in the United States of America as defined in 35 to and all applications including any and all division and reissues thereof; and all resulting patents, USE OF R-(+)-α-LIPOIC ACID, R-(-)DIHYDROL METABOLITES IN THE FORM OF THE FREE A OR AMIDES FOR THE PREPARATION OF DRI OF DIABETES MELLITUS AS WELL AS OF ITS	J.S.C. 100, in the invention ons, continuations, substitutes, known as

Dr. Locher

Assignment

(Continued from page 1)

Listing of additional inventors

(6) Amira KLIP	(11)
(7) Hans BISSWANGER	(12)
(8)	(13)
(9)	(14)
(10)	(15)

Signatures of additional inventors/witnesses/dates signed

Name: Heinz ULRICH Name: Heinz HETTCHE	PATE SIGNED RONC, 4.95 4/18/95	A Rach (Rach)
5) Name: Lester PACKER		
6) Name: Amira KLIP		
7)		
Name: Hans BISSWANGER 8) Name:		
9)		
Name:		
10)		
11)		

PATENT ∞-114 8/94
REEL: 010970 FRAME: 0658

ME

1100 New York Avenue, N.W. Washington, D.C. 20005-3918

For Inventions made outside USA executed with or after application Atty. Dkt. 217272 / 93230PH

М#

/ Client Ref.

USA Patent Appln. Sole or Joint

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	(1) Klaus WESSEL	(4) Helmut HETTCHE
Insert Name(s) of inventors	(2) Harold BORBE	(5) Lester PACKER
page 2	(3) Heinz ULRICH	[x] x box if continued on
pago =	hereby sell(s), assign(s) and transfer(s) unto: ASTA Medica Aktiengesellschaft	72.75
Insert Name(s)	An der Pikardie 10,	-
of Assignee(S)	01277 Dresden	
and Address (es)	Germany	
(hereinafter des Title of	ignated "ASSIGNEE") the entire right, title and in the United States of America as defined in 35 that and all applications including any and all division and reissues thereof; and all resulting patents, USE OF R-(+)-α-LIPOIC ACID, R-(-)DIHYDROI	U.S.C. 100, in the invention ons, continuations, substitutes, known as
Invention	METABOLITES IN THE FORM OF THE FREE A OR AMIDES FOR THE PREPARATION OF DRI OF DIABETES MELLITUS AS WELL AS OF ITS	ACID OR SALTS OR ESTERS UGS FOR THE TREATMENT
NOTE->->-> (A) (Complete line (B) A, B and/or C) (C)	for which the undersigned executed an application of the United States of America [] even date [] on in U.S. Appln No08/360,924filed_	
<u>NOTE</u> :->->	AND the undersigned hereby authorized States Commissioner of Patents and Tradema to the said ASSIGNEE, for its interest as ASSI and legal representatives; the undersigned agonal that the attorneys of record in said application behalf of said ASSIGNEE; AND the undersigned hereby agree(s) papers for ASSIGNEE, its successors, assigned deemed essential by ASSIGNEE to ASSIGNEE and to the invention hereby transferred. The undersigned hereby authorize(s) Cushman, L.L.P. of the above address to insection indentification necessary or desirable for record	arks to issue said Letters Patent GNEE, its successors, assigns ree(s) in shall hereafter act on to testify and execute any is and legal representatives, E'S full protection and title in Cushman Darby & ert hereon any further
INVENTOR(S)		<u>WITNESS(ES)</u>
1)Name: Klaus WESSI	EL	
2)	BE	

PATENT REEL: 010970 FRAME: 0659

Assignment 4

(Continued from page 1)

Listing of additional inventors

(6) Amira KLIP	(11)
(7) Hans BISSWANGER	(12)
(8)	(13)
(9)	(14)
(10)	(15)

Signatures of additional inventors/witnesses/dates signed

INVENTOR(S)	DATE SIGNED	<u>WITNESS(ES)</u>
3)		-
4)		
NI TILLIETTCHE	March 25, 1995	- P1
5) Name: Lester PACKER	maria /1777	amstade
6)	a manage and a man	
Name: Amira KLIP		- ·
7)		
Name: Hans BISSWANGER		
8)		
Name:		
9) 44		
Name:		
10)		
Name:		
11)		
Name:		

PATENT 60C-114 6/94
REEL: 010970 FRAME: 0660

1100 New York Avenue, N.W. Washington, D.C. 20005-3918

$F\epsilon$	or Invention	s made outside USA
ex	ecuted with	or after application
Atty. Dkt	217272	/ 93230PH

M#

Client Ref.

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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of ware hereby acknowledged, undersigned, to wit:	
(1) Klaus WESSEL	(4) Helmut HETTCHE
(2) Harold BORBE	(5) Lester PACKER

Insert Name(s) of inventors

(3) Heinz ULRICH

 $[x] \times box$ if continued on

page 2

hereby sell(s), assign(s) and transfer(s) unto:

ASTA Medica Aktiengesellschaft

An der Pikardie 10, 01277 Dresden

of Assignee(S) and Address (es)

Insert Name(s)

Germany *

(hereinafter designated "ASSIGNEE") the entire right, title and interest for

the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes.

and reissues thereof; and all resulting patents, known as

Title of Invention USE OF R-(+)-α-LIPOIC ACID, R-(-)DIHYDROLIPOIC ACID AND

METABOLITES IN THE FORM OF THE FREE ACID OR SALTS OR ESTERS OR AMIDES FOR THE PREPARATION OF DRUGS FOR THE TREATMENT

OF DIABETES MELLITUS AS WELL AS OF ITS SEQUELAE

for which the undersigned executed an application for Letters Patent

<u>NOTE</u>->->-> (Complete line

 $A, B \ and/or \ C)$

of the United States of America [] even date herewith (A)

(B) <u>on</u>

(C) in U.S. Appln No. ____08/360,924

filed December 21, 1994

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s)

that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE:->->

The undersigned hereby authorize(s) Cushman Darby & Cushman, L.L.P. of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTOR(S)	DATE SIGNED	<u>WITNESS(ES)</u>
1)		
Name: Klaus WESSEL		
2)		
Name: Harold BORRE		

PATENT REEL: 010970 FRAME: 0661

Assignment |

(Continued from page 1)

Listing of additional inventors

(6) Amira KLIP	(11)
(7) Hans BISSWANGER	
(8)	(13)
(9)	(14)
(10)	(15)

Signatures of additional inventors/witnesses/dates signed

INVENTOR(S)	DATE SIGNED	WITNESS(ES)
3)		
Name: Heinz ULRICH		<u>-</u>
4)		
Name: Helmut HETTCHE		
5)		
Name: Lester PACKER		
6) Name: Amira KLIP	March 28, 1995	Sont Main 288
7)	-	
8)		
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Name:		
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Name:		
11)		
Name:		

1100 New York Avenue, N.W. Washington, D.C. 20005-3918

Section.

For Inventions made outside USA executed with or after application Atty. Dkt. 217272 / 93230PH

M#

/ Client Ref.

USA Patent Appln. Sole or Joint

ASSIGNMENT

For good and valuable	consideration,	the receipt	and	sufficiency	of which
are hereby acknowledged	, undersigned,	to wit:			

	(1) Klaus WESSEL	(4) Helmut HETTCHE
insert Name(s) of inventors	(2) Harold BORBE	(5) Lester PACKER
•	(3) Heinz ULRICH	[x] x box if continued on
page 2	hereby sell(s), assign(s) and transfer(s) unto: _ASTA Medica Aktiengesellschaft	~ ~
nsert Name(s)	An der Pikardie 10.	
of Assignee(S)	_01277 Dresden	
and Address(es)	Germany	
(hereinafter des	signated "ASSIGNEE") the entire right, title and if the United States of America as defined in 35 and all applications including any and all divisionand reissues thereof; and all resulting patents, USE OF R- $(+)$ - α -LIPOIC ACID, R- $(-)$ DIHYDROI	U.S.C. 100, in the invention lons, continuations, substitutes, known as
nvention	METABOLITES IN THE FORM OF THE FREE	
TIVETIIOII	OR AMIDES FOR THE PREPARATION OF DR	
	OF DIABETES MELLITUS AS WELL AS OF ITS	
NOTE (A)	for which the undersigned executed an applic	
NOTE->-> (A) (Complete line (B) A, B and/or C) (C)	• =	herewith
(Complete line (B)	of the United States of America [] even date [] on in U.S. Appln No08/360,924 filed AND the undersigned hereby authoriz States Commissioner of Patents and Tradema to the said ASSIGNEE, for its interest as ASSI and legal representatives; the undersigned ag that the attorneys of record in said application behalf of said ASSIGNEE; AND the undersigned hereby agree(s)	December 21, 1994 e(s) and request(s) the United arks to issue said Letters Paten GNEE, its successors, assigns ree(s) a shall hereafter act on to testify and execute any
(Complete line (B) 4, B and/or C) (C)	of the United States of America [] even date [] on in U.S. Appln No	December 21, 1994 e(s) and request(s) the United trks to issue said Letters Patent GNEE, its successors, assigns ree(s) a shall hereafter act on to testify and execute any sand legal representatives,
(Complete line (B) A, B and/or C) (C)	of the United States of America [] even date [] on in U.S. Appln No08/_360,924filed AND the undersigned hereby authoriz States Commissioner of Patents and Tradema to the said ASSIGNEE, for its interest as ASSI and legal representatives; the undersigned ag that the attorneys of record in said application behalf of said ASSIGNEE; AND the undersigned hereby agree(s) papers for ASSIGNEE, its successors, assigns	December 21, 1994 December 21,
Complete line (B) 4, B and/or C) (C)	of the United States of America [] even date [] on in U.S. Appln No	December 21, 1994 December 21,
(Complete line (B) 4, B and/or C) (C) NOTE:->-> INVENTOR(S)	of the United States of America [] even date [] on in U.S. Appln No	December 21, 1994 e(s) and request(s) the United arks to issue said Letters Paten GNEE, its successors, assigns ree(s) a shall hereafter act on to testify and execute any s and legal representatives, E'S full protection and title in Cushman Darby & ert hereon any further dation of this document.
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PATENT REEL: 010970 FRAME: 0663

Assignment

(Continued from page 1)

Listing of additional inventors

(6) Amira KLIP	(11)
(7) Hans BISSWANGER	(12)
(8)	(13)
(9)	(14)
(10)	(15)

Signatures of additional inventors/witnesses/dates signed

INVENTOR(S)	INVENTOR(S) DATE SIGNED	
3)		
4)		
5)		
6)		
7) Name: Hand BISSWANGER	3 April 95	Ursula Schaal
8)		
9) Name:		
Name:		
11) Name:		

RECORDED: 07/28/2000

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