Additional name(s) of conveying party(ies) attached?

3. Nature of conveyance: **MRD**

Security Agreement

AT REEL/FRAME: 8624/0230.

A. Patent Application No.(s)

Name: Darby & Darby P.C.

12/23/1998 SBURNS 00000024 08798033

9. Statement and signature.

Joseph R. Robinson Name of Person Signing

true copy of the original document.

D1 FC:581

08/798,033

Internal Address:

and Sam J. MILSTEIN

Assignment

Andrea LEONE-BAY, Koc-Kan HO, Donald J. SARUBBI,

[]

[]

[] Other PLEASE CORRECT THE ADDRESS "15 SKYLINE DRIVE HAWTHORNE, NEW YORK" to --765 OLD SAW MILL RIVER ROAD TARRYTOWN, NEW YORK--, PREVIOUSLY RECORDED 7/7/97, AT DELIVER, PREVIOUSLY RECORDED 7/7/97,

5. Name and address of party to whom correspondence

Street Address: 805 Third Avenue, 27th Floor

City: New York State: New York Zip: 10022-7513

40.00 UP

concerning document should be mailed:

4. Application number(s) or patent number(s):

Merger

Change of Name

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

100873341

[] Yes [X] No

T

iginal documents or copy thereof. Name and address of receiving party(ies): Name: EMISPHERE TECHNOLOGIES, INC. Internal Address: Street Address: 765 Old Saw Mill River Road City: Tarrytown State: New York Zip: 10591 Additional name(s) & address(es) attached? [] Yes [X] No Execution Date 6/40/97, 6-23-97, 6-30-97 If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) Additional numbers attached? [] Yes [X] No 6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41):.....\$40.00 [X] Enclosed Authorized to be charged to deposit account 8. Deposit account number: 04-0100 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE NOSPECFED To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a October 29, 1998

> Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

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

Signature Reg. No. 33,448 46 O65 1-001 Ltexp. 4/941 To the Honorable Commissioner or

08-08-1997

R SHEET Υ.

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

100505663 attached original documents or copy thereof.

party(ies): ne of conveyor

BAY, Koc-Kan HO, Donald J. SARUBBI. and Sam J. MILSTEIN

MRW 1-7-97

Additional name(s) of conveying party(ies) attached?

3. Nature of conveyance:

[X] Assignment

Merger

Security Agreement

Change of Name

Other

Execution Dates: June 20, 1997; June 23, 1997; and June 30, 1997

П

2. Name and address of receiving party(ies):

Name: EMISPHERE TECHNOLOGIES, INC.

Internal Address:

Street Address: 15 Skyline Drive

City: Hawthorne State: New York Zip: 10532

Additional name(s) & address(es) attached?

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)

08/798,023

B. Patent No.(s)

Additional numbers attached? || Yes |X| No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Darby & Darby P.C.

Internal Address:

Street Address: 805 Third Avenue, 27th Floor

City: New York State: New York Zip: 10022-7513

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41):.....\$40.00

[X] Enclosed

[] Authorized to be charged to deposit account

B. Deposit account number:

04-0100

(Attach duplicate copy of this page if paying by deposit account)

b8/01/1997 JTIPPETT 00000013 08798023 D4 FC:581 40.00 OP

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.

Joseph R. Robinson Name of Person Signing

Reg. No. 33,448

July 3, 1997 Date

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

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington D.C. 20231

M:\1946\18035\C81769



File No: 1946/1B035-US5

ASSIGNMENT

Andrea LEONE-BAY, a citizen of the United States of America, residing at 20 Woodland Way, Ridgefield, Connecticut 06877;

Koc-Kan HO. a citizen of Macao, residing at 104 Pheasant Run, Monmouth Junction, New Jersey 08852:

Donald J. SARUBBI, a citizen of the United States of America, residing at 18 Lawton Lane, Bronxville, New York 10708; and

Sam J. MILSTEIN, a citizen of the United States of America, residing at 15 Beechtree Drive, Larchmont, New York 10538,

hereinbelow called "Assignors", have made a certain invention in

COMPOUNDS AND COMPOSITIONS FOR DELIVERING ACTIVE AGENTS

described in the specification executed by us on even date herewith which application was filed in the U.S. Patent and Trademark Office on February 6, 1997; under Serial No. 08/798,023: and

WHEREAS, EMISPHERE TECHNOLOGIES, INC., a corporation organized and existing under and by virtue of the laws of the State of New York, and having offices and doing business at 15 Skyline Drive, Hawthorne, New York 10532 and elsewhere, hereinbelow called "Assignee", is desirous of securing the entire right, title and interest in and to the said invention, application and Letters Patent, when granted, and in and to any divisions, divisions, continuations, improvements, reissues or extensions that may be made or granted thereon:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar (\$1.00) to us in hand paid by the said Assignee, and other good and valuable consideration, the receipt of all of which is hereby acknowledged, we, the said Assignors have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over unto the said Assignee, its successors and assigns, the entire right, title and interest throughout the world in and to the said invention, application and Letters Patent, when granted, and in and to any divisions, continuations, improvements, reissues or extensions that may be made or granted on any of them.

TO HAVE AND TO HOLD the same to the full end of the term or terms for which said Letters Patent may be granted, as fully and completely as the same might be held by us had this sale and assignment not been made.

For the consideration said Assignce, its successors and counsel or representative of its sudivision of, or any other proceeding including interference proceedings extension of said Letters Patent in take all rightful oaths and affidation procurement of valid Letters Patent in the counterpart of valid Letters Patent in the counterpart of valid Letters Patent in the counterpart of valid Letters Patent in the consideration of th

For the consideration aforesaid, we hereby covenant and agree to and with the said Assignee, its successors and assigns, that whenever its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with said application or invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of said Letters Patent is lawful and desirable, we will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or continuation or extension of the same, and will do all acts necessary or required to secure to the said Assignee, its successors, and assigns, the title to and full benefit of all rights hereby assigned, without charge to said Assignee or its successors or assigns, but at its or their expense;

AND the Commissioner of patents and Trademarks is requested to issue the said Letters Patent, when granted, in accordance with this sale and assignment.

For the consideration aforesaid, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto the said Assignee, its successors. and assigns, or the nominees of any of them, the entire right, title and interest in and to any all Letters Patent for said invention, which may be granted in countries foreign to the United States, and in and to any applications for Letters Patent, which may be filed for said invention in countries foreign to the United States, and in and to the invention described in said applications; and we hereby authorize and empower said Assignee and its successors, assigns or nominees, to apply for Letters Patent or other form of protection on aid invention in its own name or in the name of its successors, assigns or nominees, in any or all countries where it may desire to file such application, and where said application may be filed by another than the inventor; and we hereby covenant and agree to sign all papers and drawings, take all rightful oaths, execute all rightful afridavits, and do all acts necessary or required to be done for the procurement and maintenance of Letters Patent or other form of protection for said invention in countries foreign to the United States, and for further investing or confirming the right and title thereto in the Assignee, its successors, assigns or nominees, without charge to said Assignee, its successors, assigns or nominees, but at its or their expense.

I declare under penalty of perjury under the laws of the United States of America that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated:	(0 - x = 14	See and the second	
		Andrea LEONE-BAY, Inventor	
Dated:	:		
		Koc-Kan HO, Inventor	

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Dated: $\frac{6}{2}\sqrt{99}$

Sam J. MILSTEIN, Inventor

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- 3 -



File No: 1946/1B035-US5

ASSIGNMENT

Andrea LEONE-BAY, a citizen of the United States of America, residing at 20 Woodland Way, Ridgefield, Connecticut 06877;

Koc-Kan HO, a citizen of Macao, residing at 104 Pheasant Run, Monmouth Junction, New Jersey 08852;

Donald J. SARUBBI, a citizen of the United States of America, residing at 18 Lawton Lane, Bronxville, New York 10708; and

Sam J. MILSTEIN, a citizen of the United States of America, residing at 15 Beechtree Drive, Larchmont, New York 10538,

hereinbelow called "Assignors", have made a certain invention in

COMPOUNDS AND COMPOSITIONS FOR DELIVERING ACTIVE AGENTS

described in the specification executed by us on even date herewith which application was filed in the U.S. Patent and Trademark Office on February 6, 1997; under Serial No. 08/798,023; and

WHEREAS, EMISPHERE TECHNOLOGIES, INC., a corporation organized and existing under and by virtue of the laws of the State of New York, and having offices and doing business at 15 Skyline Drive, Hawthorne, New York 10532 and elsewhere, hereinbelow called "Assignee", is desirous of securing the entire right, title and interest in and to the said invention, application and Letters Patent, when granted, and in and to any divisions, divisions, continuations, improvements, reissues or extensions that may be made or granted thereon:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar (\$1.00) to us in hand paid by the said Assignee, and other good and valuable consideration, the receipt of all of which is hereby acknowledged, we, the said Assignors have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer and set over unto the said Assignee, its successors and assigns, the entire right, title and interest throughout the world in and to the said invention, application and Letters Patent, when granted, and in and to any divisions, continuations, improvements, reissues or extensions that may be made or granted on any of them;

TO HAVE AND TO HOLD the same to the full end of the term or terms for which said Letters Patent may be granted, as fully and completely as the same might be held by us had this sale and assignment not been made.

For the consideration aforesaid, we hereby covenant and agree to and with the said Assignee, its successors and assigns, that whenever its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with said application or invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of said Letters Patent is lawful and desirable, we will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or continuation or extension of the same, and will do all acts necessary or required to secure to the said Assignee, its successors, and assigns, the title to and full benefit of all rights hereby assigned, without charge to said Assignee or its successors or assigns, but at its or their expense;

AND the Commissioner of patents and Trademarks is requested to issue the said Letters Patent, when granted, in accordance with this sale and assignment.

For the consideration aforesaid, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto the said Assignee, its successor and assigns, or the nominees of any of them, the entire right, title and interest in and to any and all Letters Patent for said invention, which may be granted in countries foreign to the United States, and in and to any applications for Letters Patent, which may be filed for said invention in countries foreign to the United States, and in and to the invention described in said applications; and we hereby authorize and empower said Assignee and its successors, assigns or nominees, to apply for Letters Patent or other form of protection on aid invention in its own name or in the name of its successors, assigns or nominees, in any or all countries where it may desire to file such application, and where said application may be filed by another than the inventor; and we hereby covenant and agree to sign all papers and drawings, take all rightful oaths, execute all rightful affidavits, and do all acts necessary or required to be done for the procurement and maintenance of Letters Patent or other form of protection for said invention in countries foreign to the United States, and for further investing or confirming the right and title thereto in the Assignee, its successors, assigns or nominees, without charge to said Assignee, its successors, assigns or nominees, but at its or their expense,

I declare under penalty of perjury under the laws of the United States of America that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated:		
		Andrea LEONE-BAY, Inventor
Dated: <u>مل</u>	26/3./47	Koc-Kan HO, Inventor
,		Koc-Kan HO, Inventor

- 2 -

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Dated:	Donald J. SARUBBI, Inventor
	Donald of DiffeoDD1, Inventor
Dated:	Sam J. MILSTEIN, Inventor

ASSIGN.14

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- 3 -

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UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

AUGUST 26, 1997

PTAS

DARBY & DARBY P.C.
JOSEPH R. ROBINSON
805 THIRD AVENUE, 27TH FLOOR
NEW YORK, NY 10022-7513



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RECORDATION DATE: 07/07/1997

REEL/FRAME: 8624/0230 NUMBER OF PAGES: 7

NORDER OF TAGES. 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LEONE-BAY, ANDREA

DOC DATE: 06/20/1997

ASSIGNOR:

HO, KOC-KAN

DOC DATE: 06/30/1997

ASSIGNOR:

SARUBBI, DONALD J.

DOC DATE: 06/21/1997

ASSIGNOR:

MILSTEIN, SAM J.

DOC DATE: 06/23/1997

ASSIGNEE:

EMISPHERE TECHNOLOGIES, INC.

15 SKYLINE DRIVE

HAWPHORNE, NEW YORK 10532

SERIAL NUMBER: 08798023

PATENT NUMBER:

FILING DATE: 02/06/1997

ISSUE DATE:

765 Old Saw Mill RIVER ROOD TARRYTOWN, NEW YORK 10591

MAYA BENNETT, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

RECORDED: 12/18/1998