

11.20.00

FORM PTO-1595
(Rev. 6/93)

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

REC

12-18-2000

IT



ney's Docket No. 021238-402 (PM 1948)

101553892

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- (1) ARUN SINHA
- (2) WENDY MARIN
- (3) BRENDAN ANDERSON
- (4) JAN JONES
- (5) ROBERT PANDORI
- (6) JAMES COLLINS
- (7) CHARLES T. HIGGINS
- (8) WILLIAM JAMES CROWE
- (9) TAKAHIDE TAKEDA



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

Name: PHILIP MORRIS INCORPORATED

Address: 120 PARK AVENUE

NEW YORK, NY 10017

Additional name(s) of conveying party(ies) attached? Yes No

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

3. Nature of conveyance:

- Assignment Merger
 Security Agreement Change of Name

Other: _____

Execution Date: November 17, June 30, June 23,
June 29, August 17, August 17, June 15,
July 20, and August 25, 2000

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)

29/120,626

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Peter K. Skiff

Address: BURNS, DOANE, SWECKER & MATHIS, I.L.P.

P.O. Box 1404

Alexandria, Virginia 22313-1404

6. Total number of applications and patents involved 1

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

Enclosed

Authorized to be charged to deposit account, if necessary

8. Deposit account number:

02-4800

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.

Wendi L. Weinstein, Registration No. 34,456

Name of Person Signing

Wendi L. Weinstein
Signature

November 20, 2000

Date

12/15/2000 DMGLYEN 00000144 024800 101553892

Total number of pages including cover sheet, attachments, and document: 11

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

PATENT
REEL: 011335 FRAME: 0001

(09/99)

ASSIGNMENT (JOINT)

THIS ASSIGNMENT, by 1) Arun Sinha, 2) Wendy Marin, 3) Brendan Anderson, 4) Jan Jones, 5) Robert Pandorf, 6) James Collins, 7) Charles T. Higgins, 8) William James Crowe, and 9) Takahide Takeda, (hereinafter referred to as "the Assignors"), residing at 1) 143 Emery Drive East, Stamford, Connecticut 06902; 2) 56 Woodlawn Avenue, New Rochelle, New York 10804; 3) 200 East 89th Street, Apt. 17A, New York, New York 10128; 4) 14328 Regatta Pte. Road, Midlothian, Virginia 23112; 5) 231 Pascack Avenue, Emerson, New Jersey 07630; 6) 449 West 44th Street, Apt. 2E, New York, New York 10036; 7) 30 Glenbrooke Circle West, Richmond, Virginia 23229; 8) 11120 Chalkley Road, Chester, Virginia 23831; and 9) 2325-13 Shizuki, Tsuna-cho Tsuna-gun, Hyogo 656-2131, Japan, respectively, witnesseth:

WHEREAS, the Assignors have made certain new and useful inventions in LIGHTER set forth in an application for Letters Patent of the United States of America, having an oath or declaration executed on even date herewith; bearing Serial No. 29/120,630, and filed on March 23, 2000; and

WHEREAS, PHILIP MORRIS INCORPORATED, a corporation duly organized under and pursuant to the laws of the State of Virginia and having an office and place of business at 120 Park Avenue, New York, New York 10017, is desirous of acquiring the entire right, title, and interest in and to the inventions for the United States and the application for Letters Patent of the United States, and in and to any United States Letters Patent or Patents, to be obtained therefor and thereon; and

WHEREAS, PHILIP MORRIS PRODUCTS INC., a corporation organized and existing under the laws of the State of Virginia and having an office and place of business at 3601 Commerce Road, Richmond, Virginia 23234, is desirous of acquiring the entire right, title, and interest in and to the inventions for countries foreign to the United States, and in and to any foreign patent applications, and in and to any foreign Letters Patent or Patents to be obtained therefor and thereon; and

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) to each of us paid and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged:

ASSIGNMENT OF UNITED STATES PATENT RIGHTS

We do hereby sell, assign and transfer unto PHILIP MORRIS INCORPORATED, its successors, assigns and legal representatives all right, title, and interest in and to the inventions, for the United States, and in and to the United States patent application, including any continuations and divisions thereof, and any substitute applications therefor and any United States patents which may issue thereon and any reissues and extensions of the same; and we hereby authorize and request the Commissioner of Patents to grant and issue any and all patents on the inventions in the United States to PHILIP MORRIS INCORPORATED as the assignee thereof.

Date _____ Name of Assignor Wendy MARIN

STATE OF VIRGINIA)
: ss
CITY OF RICHMOND)

On this _____ day of _____, 2000, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires: _____
NOTARY PUBLIC

(Notarial Seal)

Date _____ Name of Assignor Brendan ANDERSON

STATE OF VIRGINIA)
: ss
CITY OF RICHMOND)

On this _____ day of _____, 2000, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires: _____
NOTARY PUBLIC

(Notarial Seal)

Date _____ Name of Assignor Jan JONES

STATE OF VIRGINIA)
: ss
CITY OF RICHMOND)

On this _____ day of _____, 2000, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires: _____
NOTARY PUBLIC

(Notarial Seal)

Date _____ Name of Assignor _____

Robert PANDORF

STATE OF VIRGINIA)
: ss
CITY OF RICHMOND)

On this _____ day of _____, 2000, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires:

NOTARY PUBLIC

(Notarial Seal)

Date _____ Name of Assignor _____

James COLLINS

STATE OF VIRGINIA)
: ss
CITY OF RICHMOND)

On this _____ day of _____, 2000, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires:

NOTARY PUBLIC

(Notarial Seal)

Date _____ Name of Assignor _____

Charles T. HIGGINS

STATE OF VIRGINIA)
: ss
CITY OF RICHMOND)

On this _____ day of _____, 2000, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires:

NOTARY PUBLIC

(Notarial Seal)

Date _____ Name of Assignor _____

STATE OF VIRGINIA)

William James CROWE

: ss

CITY OF RICHMOND)

On this _____ day of _____, 2000, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires:

NOTARY PUBLIC

(Notarial Seal)

Date _____ Name of Assignor _____

STATE OF VIRGINIA)

Takahide TAKEDA

: ss

CITY OF RICHMOND)

On this _____ day of _____, 2000, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires:

NOTARY PUBLIC

(Notarial Seal)

ASSIGNMENT (JOINT)

THIS ASSIGNMENT, by 1) Arun Sinha, 2) Wendy Marin, 3) Brendan Anderson, 4) Jan Jones, 5) Robert Pandorf, 6) James Collins, 7) Charles T. Higgins, 8) William James Crowe, and 9) Takahide Takeda, (hereinafter referred to as "the Assignors"), residing at 1) 143 Emery Drive East, Stamford, Connecticut 06902; 2) 56 Woodlawn Avenue, New Rochelle, New York 10804; 3) 200 East 89th Street, Apt. 17A, New York, New York 10128; 4) 14328 Regatta Pte. Road, Midlothian, Virginia 23112; 5) 231 Pascack Avenue, Emerson, New Jersey 07630; 6) 449 West 44th Street, Apt. 2E, New York, New York 10036; 7) 30 Glenbrooke Circle West, Richmond, Virginia 23229; 8) 11120 Chalkley Road, Chester, Virginia 23831; and 9) 2325-13 Shizuki, Tsuna-cho Tsuna-gun, Hyogo 656-2131, Japan, respectively, witnesseth:

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Date 6/30/00 Name of Assignor Wendy Marin
Wendy MARIN

STATE OF VIRGINIA)
County Henrico) : ss
~~CITY OF RICHMOND)~~

On this 30th day of June, 2000, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires: 6/30/01 Sandra L. Allmond
NOTARY PUBLIC

(Notarial Seal)

Date 6/23/00 Name of Assignor Brendan Anderson
Brendan ANDERSON

STATE OF VIRGINIA)
New York) : ss
~~CITY OF RICHMOND)~~
city of New York

On this 23rd day of June, 2000, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires: Kathleen M. Mulligan
NOTARY PUBLIC

(Notarial Seal) **KATHLEEN M. MULLIGAN**
Notary Public, State of New York
Qualified in Suffolk County
Certificate Filed in New York County
Reg. #4883282 Expires Jan. 20 2001

Date 6/29/00 Name of Assignor Jan Jones
Jan JONES

STATE OF VIRGINIA)
County of Henrico) : ss
~~CITY OF RICHMOND)~~

On this 29th day of June, 2000, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires: 6/30/01 Sandra L. Allmond
NOTARY PUBLIC

(Notarial Seal)

Date 2/17/00 Name of Assignor *Robert Pandorf*
STATE OF VIRGINIA)
) ALBEMARLE
) CO. SS
CITY OF RICHMOND)

On this 17th day of February, 2000, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires:

(Notarial Seal)

Robert L. Tuchman
NOTARY PUBLIC
ROBERT L. TUCHMAN
AN ATTORNEY AT LAW OF THE
STATE OF NEW JERSEY

Date 2/17/00 Name of Assignor *James Collins*
STATE OF VIRGINIA)
) New Jersey
) County of Bergen
CITY OF RICHMOND)

On this 17th day of February, 2000, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires:

(Notarial Seal)

Robert L. Tuchman
NOTARY PUBLIC
ROBERT L. TUCHMAN
AN ATTORNEY AT LAW OF THE
STATE OF NEW JERSEY

Date 6/15/00 Name of Assignor *Charles T. Higgins*
STATE OF VIRGINIA)
) : SS
CITY OF RICHMOND)

On this 15 day of June, 2000, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires:

(Notarial Seal)

Jersey J. Sims
NOTARY PUBLIC

Date 7-20-00 Name of Assignor William James Crowe
William James CROWE

STATE OF VIRGINIA)
County Hanover : ss
~~CITY OF RICHMOND~~)

On this 21th day of July, 2000, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires: 6/30/01 Sandra L. Allmond
NOTARY PUBLIC

(Notarial Seal)

Date 8/25/00 Name of Assignor TAKAHIDE TAKEDA
Takahide TAKEDA

STATE OF VIRGINIA)
County Hanover : ss
~~CITY OF RICHMOND~~)

On this 25th day of August, 2000, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires: 6/30/2001 Sandra L. Allmond
NOTARY PUBLIC

(Notarial Seal)