

SEÑORA JEFE DE LA DIVISION DE NUEVAS CREACIONES
SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO
E. _____ S. _____ D. _____

SUPERINDUSTRIA Y COMERCIO
Radicacion : 84886983 86000002 Folios: 50
Fecha (AMD): 2004-11-25 13:11:33
Tramite : 011 PCT-PATENT 378 FASE NACI 444 REPUESTA
Dependencia: 2020 DIVISION DE NUEVAS CREACIONES

Re: Expediente No. 04.086.983
Solicitud de Patente: "UN PROCESO REACTIVO DE DESTILACIÓN
PARA LA ALQUILACIÓN DE HIDROCARBUROS AROMÁTICOS"
Solicitante: SASOL NORTH AMERICA, INC.

RESPUESTA AL AUTO NOTIFICADO POR FIJACIÓN EN LISTA No. 300
DE FECHA 01 DE OCTUBRE DE 2004, OFICIO No. 09075 (EXAMEN DE
FORMA)

ALVARO CORREA ORDÓÑEZ, mayor de edad y vecino de Bogotá D.C.,
identificado tal como aparece al pie de mi firma en mi carácter de apoderado de la
solicitante en referencia, me permito manifestar lo siguiente ante el auto emanado
por ese Despacho, dentro del término para presentar respuesta:

Atiendo sus observaciones de la manera siguiente:

1. En cuanto a su primera petición me permito allegar copia del
documento de cesión de los inventores al solicitante debidamente legalizado y
traducido.
2. En cuanto a su segunda solicitud me permito presentar copia del
poder debidamente otorgado junto con el documento que acredita la existencia y
representación debidamente legalizados.

-000-02

3. En cuanto a su tercera solicitud el solicitante desea aclarar que la presente solicitud corresponde al capítulo II. Anexo documentos adicionales sobre el trámite internacional.

4. Me permito presentar corrección voluntaria sobre el nombre de uno de los inventores el señor Wayne L. Sorensen, para lo cual presento el formato y el recibo para tal modificación.

Al haber cumplido con todos los requisitos formales le solicito, muy comedidamente, se siga con el trámite de la presente solicitud.

Atentamente,



ALVARO CORREA ORDOÑEZ

C.C. 79.143.366

T/P. 20.281

Anexo: Copia de los documentos de cesión. (8)
 Documento de poder
 Formulario de corrección voluntaria y tasa correspondiente.
 Documentos adicionales trámite internacional.

TRADUCCIÓN OFICIAL N° 0411041 de un documento en inglés efectuada el día 04 de noviembre de 2004 por Jaime Armando Garavito Burgos, c.c. N° 19.130.702 de Bogotá, Traductor Oficial según Resolución N° 034 de enero 11 de 1983 expedida por el Ministerio de Justicia

Vista-1223-H
Colombia

TRASPASO

John R. Schell, por medio de este documento traspasa a Sasol North America Inc., una sociedad organizada bajo las leyes de Delaware, EE.UU., domiciliada en 900 Threadneedle, Suite 100, Houston, Texas 77009, EE.UU. (en adelante la "CESIONARIA"), todos mis (nuestros) derechos, título e intereses sobre mi (nuestra) invención por una mejora nueva y útil, tal como se estipula completamente y se describe en:

"Un Proceso Reactivo de Destilación para la Alquilación de Hidrocarburos Aromáticos"

En lo que concierne a la República de Colombia.

Austin, Texas, octubre 11 de 2004 (firmado)
Lugar, fecha y firma

Jaime A. Garavito B.
JAIME A. GARAVITO B
TRADUCTOR E INTERPRETE OFICIAL
Res 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA

ESTADO DE TEXAS)
CONDADO DE TRAVIS)

Ante mí, la suscrita autoridad, compareció personalmente hoy John R. Schell, a quien conozco como la persona que suscribió el anterior instrumento y reconoció ante mí que suscribió el mismo para los fines en él expresados.

DADO bajo mi firma y sello de oficina hoy 11 de octubre de 2004 A.D.

(firmado) Cheny Anderson, Notario Público para el Estado de Texas

(Sello en tinta que dice: "Cheny L. Anderson, Notario Público, Estado de Texas.

Vence agosto 03 de 2006")

(Aparece impreso sello del Estado de Texas)

Estado de Texas
Secretaría de Estado
APOSTILLA

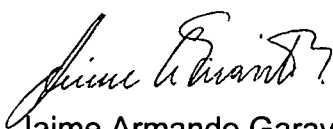
1. País: Estados Unidos de América
Este documento público
2. Ha sido firmado por CHENEY L. ANDERSON
3. Quien actúa en calidad de Notario Público, Estado de Texas
4. Lleva el sello de CHENEY L. ANDERSON, Notario Público, Estado de Texas. Comisión vence el 03 de agosto de 2006

Certificado

5. En Austin, Texas
6. El 22 de octubre de 2004
7. Por el Secretario de Estado de Texas
8. Certificado N° N-434306
9. Sello (Aparece sello del Estado de Texas)
10. Firma (firmado) Geoffrey S. Connor, Secretario de Estado
ST/clk


JAIME A. GARAVITO B
TRADUCTOR E INTERPRETE OFICIAL
Por 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA

La anterior es traducción fiel y completa de la cual se deja copia en esta oficina
para su confrontación.



Jaime Armando Garavito Burgos
c.c. N° 19.130.702 de Bogotá

Traductor e Intérprete Oficial según Resolución N° 034 de enero 11 de 1983
expedida por el Ministerio de Justicia



The State of Texas

Secretary of State

APOSTILLE

(Convention de La Haye du 5 Octobre 1961)

1. Country: United States of America

This public document

2. has been signed by CHENEY L ANDERSON

3. acting in the capacity of Notary Public, State of Texas

4. and bears the seal/stamp of CHENEY L ANDERSON, Notary Public, State of Texas, Commission Expires: 08-03-06

CERTIFIED

5. at Austin, Texas

6. on October 22, 2004

7. by the Secretary of State of Texas

8. Certificate No. N-434306

9. Seal

10. Signature:



A handwritten signature in black ink, appearing to read "G. Connor", written over a horizontal line.

Geoffrey S. Connor
Secretary of State
ST/clk

[REDACTED]

Vista-1223-B
ColombiaASSIGNMENTCESION

John R. Schell
by means of this document assign(s) to
Sasol North America Inc.

por medio de la presente cedo (cedemos) a

A corporation
organized under the laws of
Delaware, USA

una
las leyes de
organizada bajo

Domiciled in
900 Threadneedle, Suite 100
Houston, Texas 77079, USA

domiciliada en

(hereinafter referred to as the
"ASSIGNEE").

(de ahora en adelante el
"CESIONARIO").

all my (our) rights, title and interest in
and to my (our) invention for a new and
useful improvement entitled and as
fully set forth and described in:

todos mis (nuestros) derechos, título e
interés sobre mi (nuestra) invención tal
como describe en:

"A Reactive Distillation Process
For the Alkylation of Aromatic
Hydrocarbons"

So far as the Republic of Colombia is
concerned.

en lo que concierne a la República de
Colombia.

Austin TX October 11, 2004
Place, date and signature

Lugar, fecha y firma

STATE OF TEXAS

§

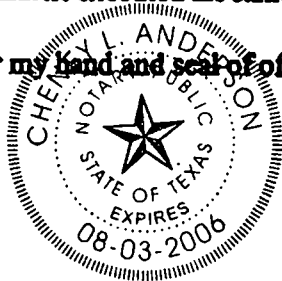
COUNTY OF Tarrant

§

§

BEFORE me the undersigned authority, on this day personally appeared John R. Schell,
known to me to be the person whose name is subscribed to the foregoing instrument, and
acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 11th day of October, A.D. 2004.



Cheryl Anderson
Notary Public for the State of Texas

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1
76
7

TRADUCCIÓN OFICIAL N° 0411042 de un documento en inglés efectuada el día 04 de noviembre de 2004 por Jaime Armando Garavito Burgos, c.c. N° 19.130.702 de Bogotá, Traductor Oficial según Resolución N° 034 de enero 11 de 1983 expedida por el Ministerio de Justicia

Vista-1223-H
Colombia

TRASPASO

Richard C. Howe, por medio de este documento traspasa a Sasol North America Inc., una sociedad organizada bajo las leyes de Delaware, EE.UU., domiciliada en 900 Threadneedle, Suite 100, Houston, Texas 77009, EE.UU. (en adelante la "CESIONARIA"), todos mis (nuestros) derechos, título e intereses sobre mi (nuestra) invención por una mejora nueva y útil, tal como se estipula completamente y se describe en:

"Un Proceso Reactivo de Destilación para la Alquilación de Hidrocarburos Aromáticos"

En lo que concierne a la República de Colombia.

Septiembre 27 de 2004 (firmado) Richard C. Howe
Lugar, fecha y firma

Jaime A. Garavito B.
JAIME A. GARAVITO B
TRADUCTOR E INTERPRETE OFICIAL
Res. 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA

ESTADO DE TEXAS)
CONDADO DE WILLIAMSON)

Ante mí, la suscrita autoridad, compareció personalmente hoy Richard C. Howe, a quien conozco como la persona que suscribió el anterior instrumento y reconoció ante mí que suscribió el mismo para los fines en él expresados.

DADO bajo mi firma y sello de oficina hoy 27 de septiembre de 2004 A.D.

(firmado) Ana María Ramírez, Notario Público para el Estado de Texas

(Sello en tinta que dice: "Ana María Ramírez, Notario Público, Estado de Texas.

Vence noviembre 03 de 2007")

77
2
-000-8

(Aparece impreso sello del Estado de Texas)

Estado de Texas
Secretaría de Estado
APOSTILLA

1. País: Estados Unidos de América
Este documento público
2. Ha sido firmado por ANA MARÍA RAMÍREZ
3. Quien actúa en calidad de Notario Público, Estado de Texas
4. Lleva el sello de ANA MARÍA RAMÍREZ, Notario Público, Estado de Texas.
Comisión vence el 03 de noviembre de 2007

Certificado

5. En Austin, Texas
6. El 22 de octubre de 2004
7. Por el Secretario de Estado de Texas
8. Certificado N° N-434304
9. Sello (Aparece sello del Estado de Texas)
10. Firma (firmado) Geoffrey S. Connor, Secretario de Estado
ST/clk

Jaime A. Garavito B.
JAIME A. GARAVITO B
TRADUCTOR E INTERPRETE OFICIAL
Res. 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA

La anterior es traducción fiel y completa de la cual se deja copia en esta oficina
para su confrontación.

Jaime A. Garavito B.
Jaime Armando Garavito Burgos
c.c. N° 19.130.702 de Bogotá
Traductor e Intérprete Oficial según Resolución N° 034 de enero 11 de 1983
expedida por el Ministerio de Justicia



78
78

The State of Texas

Secretary of State

APOSTILLE

(Convention de La Haye du 5 Octobre 1961)

1. Country: United States of America

This public document

2. has been signed by ANA MARIA RAMIREZ

3. acting in the capacity of Notary Public, State of Texas

4. and bears the seal/stamp of ANA MARIA RAMIREZ, Notary Public, State of Texas, Commission Expires: 11-03-07

CERTIFIED

5. at Austin, Texas

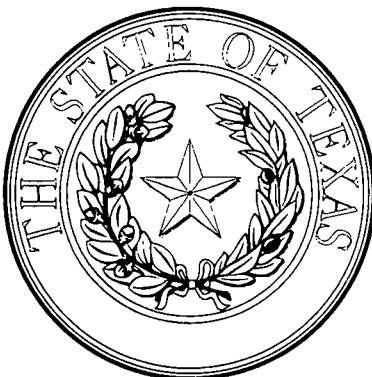
6. on October 22, 2004

7. by the Secretary of State of Texas

8. Certificate No. N-434304

9. Seal

10. Signature:



A handwritten signature in black ink, reading "G. Connor".

Geoffrey S. Connor
Secretary of State
ST/clk

79
1000 40
79

ASSIGNMENT

CESION

Richard C. Howe

by means of this document assign(s) to
Sasol North America Inc.

por medio de la presente cedo (cedemos) a

A corporation
organized under the laws of
Delaware, USA

una
las leyes de
organizada bajo

Domiciled in
900 Threadneedle, Suite 100
Houston, Texas 77079, USA

domiciliada en

(hereinafter referred to as the
"ASSIGNEE").
all my (our) rights, title and interest in
and to my (our) invention for a new and
useful improvement entitled and as
fully set forth and described in:

(de ahora en adelante el
"CESIONARIO").
todos mis (nuestros) derechos, título e
interés sobre mi (nuestra) invención tal
como describe en:

"A Reactive Distillation Process
For the Alkylation of Aromatic
Hydrocarbons"

So far as the Republic of Colombia is
concerned.

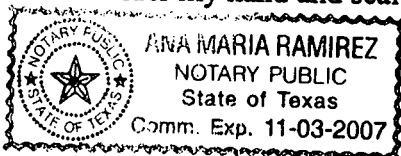
en lo que concierne a la República de
Colombia.

9-27-04 Richard C. Howe
Place, date and signature Lugar, fecha y firma

STATE OF TEXAS §
COUNTY OF Williamson §

BEFORE me the undersigned authority, on this day personally appeared Richard C. Howe, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 27 day of September, A.D. 2004.



[Signature]
Notary Public for the State of Texas

TRADUCCIÓN OFICIAL N° 0411043 de un documento en inglés efectuada el día 04 de noviembre de 2004 por Jaime Armando Garavito Burgos, c.c. N° 19.130.702 de Bogotá, Traductor Oficial según Resolución N° 034 de enero 11 de 1983 expedida por el Ministerio de Justicia

Vista-1223-H
Colombia

TRASPASO

Daniel P. Szura, por medio de este documento traspasa a Sasol North America Inc., una sociedad organizada bajo las leyes de Delaware, EE.UU., domiciliada en 900 Threadneedle, Suite 100, Houston, Texas 77009, EE.UU. (en adelante la "CESIONARIA"), todos mis (nuestros) derechos, título e intereses sobre mi (nuestra) invención por una mejora nueva y útil, tal como se estipula completamente y se describe en:

"Un Proceso Reactivo de Destilación para la Alquilación de Hidrocarburos Aromáticos"

En lo que concierne a la República de Colombia.

(firmado) Daniel P. Szura; septiembre 29 de 2004
Lugar, fecha y firma

Jaime A. Garavito B.
JAIME A. GARAVITO B
TRADUCTOR E INTERPRETE OFICIAL
Res 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA

ESTADO DE TEXAS)
CONDADO DE WILLIAMSON)

Ante mí, la suscrita autoridad, compareció personalmente hoy Daniel P. Szura, a quien conozco como la persona que suscribió el anterior instrumento y reconoció ante mí que suscribió el mismo para los fines en él expresados.

DADO bajo mi firma y sello de oficina hoy 29 de septiembre de 2004 A.D.

(firmado) LAVERNE J. TONN, Notario Público para el Estado de Texas

(Sello en tinta que dice: "LAVERNE J. TONN, Notario Público, Estado de Texas. Vence el 30 de abril de 2005")

81
2
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81

(Aparece impreso sello del Estado de Texas)

Estado de Texas
Secretaría de Estado
APOSTILLA

1. País: Estados Unidos de América
Este documento público
2. Ha sido firmado por LAVERNE J. TONN
3. Quien actúa en calidad de Notario Público, Estado de Texas
4. Lleva el sello de LAVERNE J. TONN, Notario Público, Estado de Texas.
Comisión vence el 30 de abril de 2005

Certificado

5. En Austin, Texas
6. El 22 de octubre de 2004
7. Por el Secretario de Estado de Texas
8. Certificado N° N-434302
9. Sello (Aparece sello del Estado de Texas)
10. Firma (firmado) Geoffrey S. Connor, Secretario de Estado
ST/clk

Jaime A. Garavito B.
JAIME A. GARAVITO B
TRADUCTOR E INTERPRETE OFICIAL
Res. 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA

La anterior es traducción fiel y completa de la cual se deja copia en esta oficina
para su confrontación.

Jaime A. Garavito B.

Jaime Armando Garavito Burgos
c.c. N° 19.130.702 de Bogotá

Traductor e Intérprete Oficial según Resolución N° 034 de enero 11 de 1983
expedida por el Ministerio de Justicia



The State of Texas

Secretary of State

APOSTILLE

(Convention de La Haye du 5 Octobre 1961)

1. Country: United States of America

This public document

2. has been signed by LAVERNE J TONN

3. acting in the capacity of Notary Public, State of Texas

4. and bears the seal/stamp of LAVERNE J TONN, Notary Public, State of Texas, Commission Expires: 04-30-05

CERTIFIED

5. at Austin, Texas

6. on October 22, 2004

7. by the Secretary of State of Texas

8. Certificate No. N-434302

9. Seal

10. Signature:



A handwritten signature in black ink, appearing to read "G. Connor", written over a horizontal line.

Geoffrey S. Connor
Secretary of State
ST/clk

ASSIGNMENTCESION

Daniel P. Szura

by means of this document assign(s) to
Sasol North America Inc.

por medio de la presente cedo (cedemos) a

A corporation
organized under the laws of
Delaware, USA

una
las leyes de organizada bajo

Domiciled in
900 Threadneedle, Suite 100
Houston, Texas 77079, USA

domiciliada en

(hereinafter referred to as the
"ASSIGNEE"),
all my (our) rights, title and interest in
and to my (our) invention for a new and
useful improvement entitled and as
fully set forth and described in:

(de ahora en adelante el
"CESIONARIO"),
todos mis (nuestros) derechos, título e
interés sobre mi (nuestra) invención tal
como describe en:

"A Reactive Distillation Process
For the Alkylation of Aromatic
Hydrocarbons"

So far as the Republic of Colombia is
concerned.

en lo que concierne a la República de
Colombia.

Daniel P. Szura 9/29/04
Place, date and signature

Lugar, fecha y firma

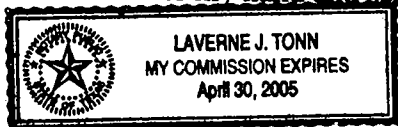
STATE OF TEXAS §

§

COUNTY OF WILLIAMSON §

BEFORE me the undersigned authority, on this day personally appeared Daniel P. Szura, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 29 day of September, A.D. 2004.



Laverne J. Tonn
Notary Public for the State of Texas

TRADUCCIÓN OFICIAL N° 0411044 de un documento en inglés efectuada el día 04 de noviembre de 2004 por Jaime Armando Garavito Burgos, c.c. N° 19.130.702 de Bogotá, Traductor Oficial según Resolución N° 034 de enero 11 de 1983 expedida por el Ministerio de Justicia

Vista-1223-H
Colombia

TRASPASO

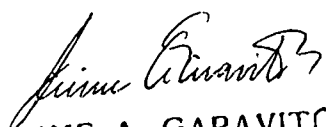
Joy L. Murray, por medio de este documento traspasa a Sasol North America Inc., una sociedad organizada bajo las leyes de Delaware, EE.UU., domiciliada en 900 Threadneedle, Suite 100, Houston, Texas 77009, EE.UU. (en adelante la "CESIONARIA"), todos mis (nuestros) derechos, título e intereses sobre mi (nuestra) invención por una mejora nueva y útil, tal como se estipula completamente y se describe en:

"Un Proceso Reactivo de Destilación para la Alquilación de Hidrocarburos Aromáticos"

En lo que concierne a la República de Colombia.

(firmado) Joy L. Murray; septiembre 30 de 2004
Lugar, fecha y firma

ESTADO DE TEXAS)
CONDADO DE TRAVIS)


JAIME A. GARAVITO B
TRADUCTOR E INTERPRETE OFICIAL
Res. 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA

Ante mí, la suscrita autoridad, compareció personalmente hoy Joy L. Murray, a quien conozco como la persona que suscribió el anterior instrumento y reconoció ante mí que suscribió el mismo para los fines en él expresados.

DADO bajo mi firma y sello de oficina hoy 29 de septiembre de 2004 A.D.

(firmado) SHANE A. CARROW, Notario Público para el Estado de Texas

(Sello en tinta que dice: "SHANE A. CARROW, Notario Público, Estado de Texas.

Vence el 04 de diciembre de 2007")

85
2 - 0000 116
85

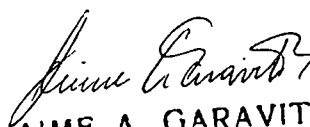
(Aparece impreso sello del Estado de Texas)

Estado de Texas
Secretaría de Estado
APOSTILLA

1. País: Estados Unidos de América
Este documento público
2. Ha sido firmado por SHANE A. CARROW
3. Quien actúa en calidad de Notario Público, Estado de Texas
4. Lleva el sello de SHANE A. CARROW, Notario Público, Estado de Texas.
Comisión vence el 04 de diciembre de 2007

Certificado

5. En Austin, Texas
6. El 22 de octubre de 2004
7. Por el Secretario de Estado de Texas
8. Certificado N° N-434300
9. Sello (Aparece sello del Estado de Texas)
10. Firma (firmado) Geoffrey S. Connor, Secretario de Estado
ST/clk


JAIME A. GARAVITO B
TRADUCTOR E INTERPRETE OFICIAL
Por 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA

La anterior es traducción fiel y completa de la cual se deja copia en esta oficina
para su confrontación.


Jaime Armando Garavito Burgos
c.c. N° 19.130.702 de Bogotá
Traductor e Intérprete Oficial según Resolución N° 034 de enero 11 de 1983
expedida por el Ministerio de Justicia



86
-900 17
86

The State of Texas

Secretary of State

APOSTILLE

(Convention de La Haye du 5 Octobre 1961)

1. Country: United States of America

This public document

2. has been signed by SHANE A CARROW

3. acting in the capacity of Notary Public, State of Texas

4. and bears the seal/stamp of SHANE A CARROW, Notary Public, State of Texas, Commission Expires: 12-04-07

CERTIFIED

5. at Austin, Texas

6. on October 22, 2004

7. by the Secretary of State of Texas

8. Certificate No. N-434300

9. Seal

10. Signature:



A handwritten signature in black ink, appearing to read "G. Connor", written over a horizontal line.

Geoffrey S. Connor
Secretary of State
ST/clk

ASSIGNMENTCESION

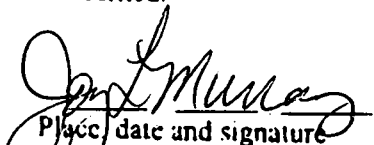
Joy L. Murray

by means of this document assign(s) to
Sasol North America Inc.

por medio de la presente cedo (cedemos) a

A corporation
organized under the laws of
Delaware, USAuna
las leyes de
organizada bajoDomiciled in
900 Threadneedle, Suite 100
Houston, Texas 77079, USA

domiciliada en

(hereinafter referred to as the
"ASSIGNEE").
all my (our) rights, title and interest in
and to my (our) invention for a new and
useful improvement entitled and as
fully set forth and described in:(de ahora en adelante el
"CESIONARIO").
todos mis (nuestros) derechos, título e
interés sobre mi (nuestra) invención tal
como describe en:"A Reactive Distillation Process
For the Alkylation of Aromatic
Hydrocarbons"So far as the Republic of Colombia is
concerned.en lo que concierne a la República de
Colombia. 9/30/04
Place, date and signature

Lugar, fecha y firma

STATE OF TEXAS

§

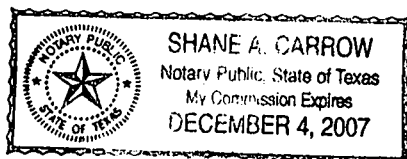
COUNTY OF Texas

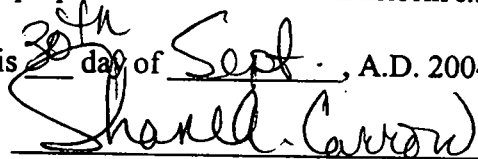
§

§

BEFORE me the undersigned authority, on this day personally appeared Joy L. Murray,
known to me to be the person whose name is subscribed to the foregoing instrument, and
acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 30th day of Sept, A.D. 2004.




Notary Public for the State of Texas

TRADUCCIÓN OFICIAL N° 0411045 de un documento en inglés efectuada el día 04 de noviembre de 2004 por Jaime Armando Garavito Burgos, c.c. N° 19.130.702 de Bogotá, Traductor Oficial según Resolución N° 034 de enero 11 de 1983 expedida por el Ministerio de Justicia

Vista-1223-H
Colombia

TRASPASO

Mary J. Brown, por medio de este documento traspasa a Sasol North America Inc., una sociedad organizada bajo las leyes de Delaware, EE.UU., domiciliada en 900 Threadneedle, Suite 100, Houston, Louisiana 77009, EE.UU. (en adelante la "CESIONARIA"), todos mis (nuestros) derechos, título e intereses sobre mi (nuestra) invención por una mejora nueva y útil, tal como se estipula completamente y se describe en:

"Un Proceso Reactivo de Destilación para la Alquilación de Hidrocarburos Aromáticos"

En lo que concierne a la República de Colombia.

(firmado) Mary J. Brown
Lugar, fecha y firma

ESTADO DE LOUISIANA)
CONDADO DE CALCASIEU)

Jaime A. Garavito B.
JAIME A. GARAVITO B
TRADUCTOR E INTERPRETE OFICIAL
Res. 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA

Ante mí, la suscrita autoridad, compareció personalmente hoy Mary J. Brown, a quien conozco como la persona que suscribió el anterior instrumento y reconoció ante mí que suscribió el mismo para los fines en él expresados.

DADO bajo mi firma y sello de oficina hoy 27 de septiembre de 2004 A.D.

(firmado) NANCY CLIFTON TOWER, Notario Público para el Estado de Louisiana

(Sello seco que dice: "NANCY CLIFTON TOWER, Notario Público, Parroquia de Calcasieu, Louisiana)

ESTADOS UNIDOS DE AMÉRICA
(Aparece gráfica)
ESTADO DE LOUISIANA

Fox McKeithen
SECRETARIO DE ESTADO

En calidad de Secretario de Estado del Estado de Louisiana, por medio del presente certifico que

APOSTILLA

- 1. País: Estados Unidos de América
- Este documento público
- 2. ha sido firmado por NANCY CLIFTON TOWER
- 3. quien actúa en calidad de NOTARIO PÚBLICO
- 4. Lleva el sello de MARINUS QUIST, NOTARIO PÚBLICO, PARROQUIA DE CARCASIEU, ESTADO DE LOUISIANA

CERTIFICADO

- 5. en Baton Rouge, Louisiana
- 6. el 11 de OCTUBRE
- 7. por el Secretario de Estado, Estado de Louisiana
- 8. N° 7271
- 9. Sello (Aparece impreso sello de la Secretaría de Estado del Estado de Louisiana)

Aime A. Garavito
AIME A. GARAVITO B
"TRADUCTOR E INTERPRETE OFICIAL"
Res. 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA

10. En testimonio de lo cual, he estampado mi firma y me encargado de que se coloque el sello de mi Oficina en la ciudad de Baton Rouge el 11 de octubre de 2004

(firmado) Fox McKeithen, Secretario de Estado

La anterior es traducción fiel y completa de la cual se deja copia en esta oficina para su confrontación.

Jaime A. Garavito B.

Jaime Armando Garavito Burgos

c.c. N° 19.130.702 de Bogotá

Traductor e Intérprete Oficial según Resolución N° 034 de enero 11 de 1983 expedida por el Ministerio de Justicia

Jaime A. Garavito B.
JAIME A. GARAVITO B

TRADUCTOR E INTERPRETE OFICIAL
Res. 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA

22

92

UNITED STATES OF AMERICA

State of Louisiana

Jox McKeithen
SECRETARY OF STATE

As Secretary of State, of the State of Louisiana, I do hereby Certify that

APOSTILLE

Convention de La Haye du 5 Octobre 1961)

1. Country: United States of America

This public document

2. has been signed by NANCY CLIFTON TOWER

3. acting in the capacity of NOTARY PUBLIC

4. bears the seal/stamp of MARINUS QUIST, NOTARY PUBLIC,
PARISH OF CAKCASIEU, STATE OF LOUISIANA

CERTIFIED

5. at Baton Rouge, Louisiana

6. the 11TH day of OCTOBER

7. by the Secretary of State, State of Louisiana

8. No. 7271

9. Seal/Stamp

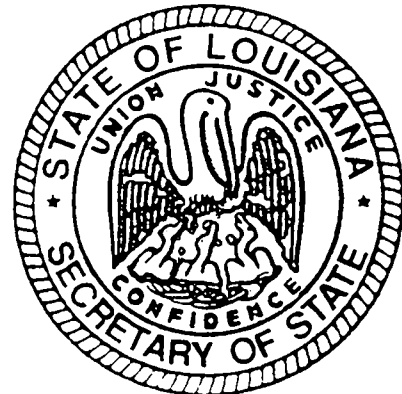
10. Signature:

*In testimony whereof, I have hereunto set
my hand and caused the Seal of my Office
to be affixed at the City of Baton Rouge on,*

OCTOBER 11, 2004

Jox McKeithen

Secretary of State



93
28
93

ASSIGNMENTCESION

Mary J. Brown

by means of this document assign(s) to
Sasol North America Inc.

por medio de la presente cedo (cedemos) a

A corporation
organized under the laws of
Delaware, USA

una
las leyes de
organizada bajo

Domiciled in
900 Threadneedle, Suite 100
Houston, Texas 77079, USA

domiciliada en

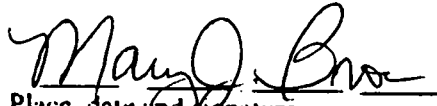
(hereinafter referred to as the
"ASSIGNEE"),
all my (our) rights, title and interest in
and to my (our) invention for a new and
useful improvement entitled and as
fully set forth and described in:

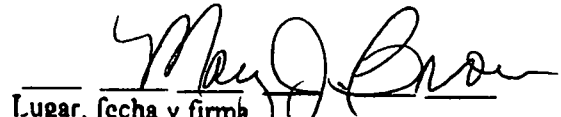
(de ahora en adelante el
"CESIONARIO"),
todos mis (nuestros) derechos, título e
interés sobre mi (nuestra) invención tal
como describe en:

"A Reactive Distillation Process
For the Alkylation of Aromatic
Hydrocarbons"

So far as the Republic of Colombia is
concerned.

en lo que concierne a la República de
Colombia.

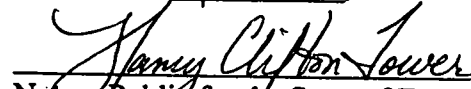

Place, date and signature


Lugar, fecha y firma

STATE OF ~~TEXAS~~ Louisiana §
§
COUNTY OF Calcasieu §

BEFORE me the undersigned authority, on this day personally appeared Mary J. Brown,
known to me to be the person whose name is subscribed to the foregoing instrument, and
acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 27 day of September, A.D. 2004.


Notary Public for the State of ~~Texas~~ Louisiana

TRADUCCIÓN OFICIAL N° 0411046 de un documento en inglés efectuada el día 04 de noviembre de 2004 por Jaime Armando Garavito Burgos, c.c. N° 19.130.702 de Bogotá, Traductor Oficial según Resolución N° 034 de enero 11 de 1983 expedida por el Ministerio de Justicia

Vista-1223-H
Colombia

TRASPASO

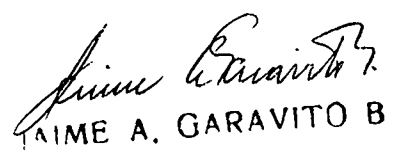
J. Barry Winder, por medio de este documento traspasa a Sasol North America Inc., una sociedad organizada bajo las leyes de Delaware, EE.UU., domiciliada en 900 Threadneedle, Suite 100, Houston, Louisiana 77009, EE.UU. (en adelante la "CESIONARIA"), todos mis (nuestros) derechos, título e intereses sobre mi (nuestra) invención por una mejora nueva y útil, tal como se estipula completamente y se describe en:

"Un Proceso Reactivo de Destilación para la Alquilación de Hidrocarburos Aromáticos"

En lo que concierne a la República de Colombia.

(firmado) J. Barry Winder; septiembre 27 de 2004
Lugar, fecha y firma

ESTADO DE LOUISIANA)
)
CONDADO DE CALCASIEU)


JAIME A. GARAVITO B
TRADUCTOR E INTERPRETE OFICIAL
Res. 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA

Ante mí, la suscrita autoridad, compareció personalmente hoy J. Barry Winder, a quien conozco como la persona que suscribió el anterior instrumento y reconoció ante mí que suscribió el mismo para los fines en él expresados.

DADO bajo mi firma y sello de oficina hoy 27 de septiembre de 2004 A.D.

(firmado) NANCY CLIFTON TOWER, Notario Público para el Estado de Louisiana
(Sello seco que dice: "NANCY CLIFTON TOWER, Notario Público, Parroquia de
Calcasieu, Louisiana)

ESTADOS UNIDOS DE AMÉRICA
(Aparece gráfica)
ESTADO DE LOUISIANA

Fox McKeithen
SECRETARIO DE ESTADO

En calidad de Secretario de Estado, del Estado de Louisiana, por medio del
presente certifico que

APOSTILLA

1. País: Estados Unidos de América
Este documento público
2. ha sido firmado por NANCY CLIFTON TOWER
3. quien actúa en calidad de NOTARIO PÚBLICO
4. Lleva el sello de MARINUS QUIST, NOTARIO PÚBLICO, PARROQUIA DE
CARCASIEU, ESTADO DE LOUISIANA

CERTIFICADO

5. en Baton Rouge, Louisiana
6. el 11 de OCTUBRE
7. por el Secretario de Estado, Estado de Louisiana
8. N° 7272
9. Sello (Aparece impreso sello de la Secretaría de Estado del Estado de
Louisiana)

Jaime A. Garavito B.
JAIME A. GARAVITO B.
TRADUCTOR E INTERPRETE OFICIAL
Ex 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA

10. En testimonio de lo cual, he estampado mi firma y me encargado de que se coloque el sello de mi Oficina en la ciudad de Baton Rouge el 11 de octubre de 2004

(firmado) Fox McKeithen, Secretario de Estado

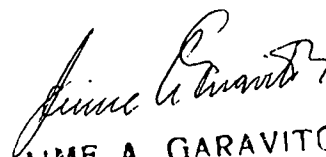
La anterior es traducción fiel y completa de la cual se deja copia en esta oficina para su confrontación.



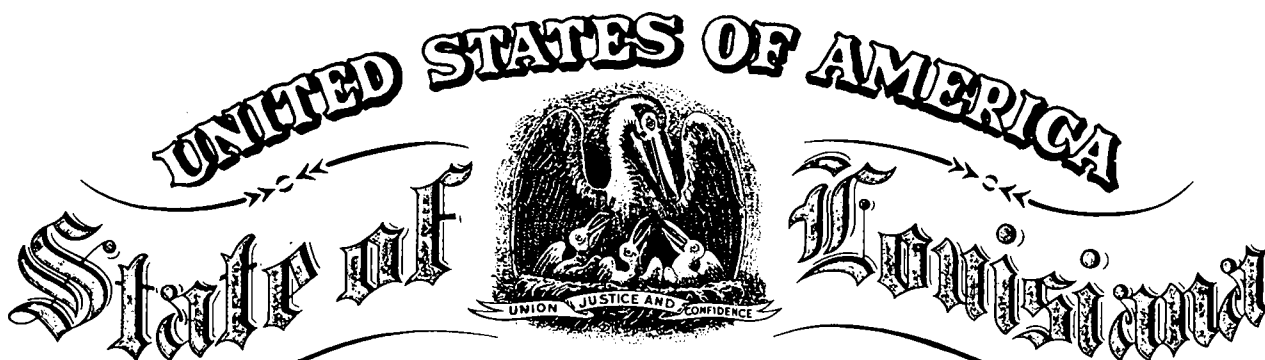
Jaime Armando Garavito Burgos

c.c. N° 19.130.702 de Bogotá

Traductor e Intérprete Oficial según Resolución N° 034 de enero 11 de 1983 expedida por el Ministerio de Justicia



JAIME A. GARAVITO B
TRADUCTOR E INTERPRETE OFICIAL
Res 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA



Jox McKeithen
SECRETARY OF STATE

As Secretary of State, of the State of Louisiana, I do hereby Certify that

APOSTILLE

Convention de La Haye du 5 Octobre 1961)

1. Country: United States of America

This public document

2. has been signed by NANCY CLIFTON TOWER

3. acting in the capacity of NOTARY PUBLIC

4. bears the seal/stamp of MARINUS QUIST, NOTARY PUBLIC,
 PARISH OF CAKCASIEU, STATE OF LOUISIANA

CERTIFIED

5. at Baton Rouge, Louisiana

6. the 11TH day of OCTOBER

7. by the Secretary of State, State of Louisiana

8. No. 7272

9. Seal/Stamp

10. Signature:

*In testimony whereof, I have hereunto set
 my hand and caused the Seal of my Office
 to be affixed at the City of Baton Rouge on,*

OCTOBER 11, 2004

Jox McKeithen

Secretary of State



ASSIGNMENTCESION

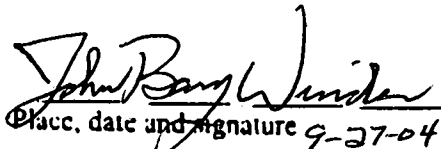
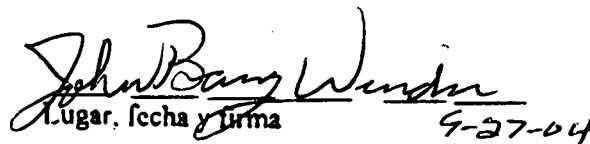
J. Barry Winder

by means of this document assign(s) to
Sasol North America Inc.A corporation
organized under the laws of
Delaware, USADomiciled in
900 Threadneedle, Suite 100
Houston, Texas 77079, USA(hereinafter referred to as the
"ASSIGNEE"),
all my (our) rights, title and interest in
and to my (our) invention for a new and
useful improvement entitled and as
fully set forth and described in:"A Reactive Distillation Process
For the Alkylation of Aromatic
Hydrocarbons"So far as the Republic of Colombia is
concerned.

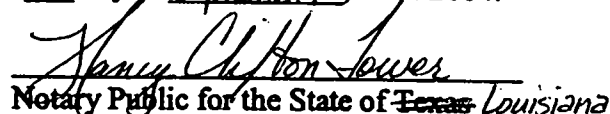
por medio de la presente cedo (cedemos) a

una
las leyes de organizada bajo

domiciliada en

(de ahora en adelante el
"CESIONARIO"),
todos mis (nuestros) derechos, título e
interés sobre mi (nuestra) invención tal
como describe en:en lo que concierne a la República de
Colombia.
Place, date and signature 9-27-04
Lugar, fecha y firma 9-27-04STATE OF TEXAS Louisiana §
§
COUNTY OF Calcasieu §BEFORE me the undersigned authority, on this day personally appeared J. Barry Winder,
known to me to be the person whose name is subscribed to the foregoing instrument, and
acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 27 day of September, A.D. 2004.


Notary Public for the State of Texas Louisiana

TRADUCCIÓN OFICIAL N° 0411048 de un documento en inglés efectuada el día 04 de noviembre de 2004 por Jaime Armando Garavito Burgos, c.c. N° 19.130.702 de Bogotá, Traductor Oficial según Resolución N° 034 de enero 11 de 1983 expedida por el Ministerio de Justicia

Vista-1223-H
Colombia

TRASPASO

Donald L. Wharry, por medio de este documento traspasa a Sasol North America Inc., una sociedad organizada bajo las leyes de Delaware, EE.UU., domiciliada en 900 Threadneedle, Suite 100, Houston, Louisiana 77009, EE.UU. (en adelante la "CESIONARIA"), todos mis (nuestros) derechos, título e intereses sobre mi (nuestra) invención por una mejora nueva y útil, tal como se estipula completamente y se describe en:

"Un Proceso Reactivo de Destilación para la Alquilación de Hidrocarburos Aromáticos"

En lo que concierne a la República de Colombia.

(firmado) Donald L. Wharry; septiembre 27 de 2004
Lugar, fecha y firma

ESTADO DE LOUISIANA)
)
CONDADO DE CALCASIEU)

Jaime A. Garavito B.
JAIME A. GARAVITO B
TRADUCTOR E INTERPRETE OFICIAL
Res. 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA

Ante mí, la suscrita autoridad, compareció personalmente hoy Donald L. Wharry, a quien conozco como la persona que suscribió el anterior instrumento y reconoció ante mí que suscribió el mismo para los fines en él expresados.

DADO bajo mi firma y sello de oficina hoy 27 de septiembre de 2004 A.D.

(firmado) NANCY CLIFTON TOWER, Notario Público para el Estado de Louisiana
(Sello seco que dice: "NANCY CLIFTON TOWER, Notario Público, Parroquia de Calcasieu, Louisiana)

ESTADOS UNIDOS DE AMÉRICA
(Aparece gráfica)
ESTADO DE LOUISIANA

Fox McKeithen
SECRETARIO DE ESTADO

En calidad de Secretario de Estado, del Estado de Louisiana, por medio del presente certifico que

APOSTILLA

1. País: Estados Unidos de América
Este documento público
2. ha sido firmado por NANCY CLIFTON TOWER
3. quien actúa en calidad de NOTARIO PÚBLICO
4. Lleva el sello de MARINUS QUIST, NOTARIO PÚBLICO, PARROQUIA DE CARCASIEU, ESTADO DE LOUISIANA

CERTIFICADO

5. en Baton Rouge, Louisiana
6. el 11 de OCTUBRE
7. por el Secretario de Estado, Estado de Louisiana
8. N° 7273
9. Sello (Aparece impreso sello de la Secretaría de Estado del Estado de Louisiana)

Jaime A. Garavito
JAIME A. GARAVITO 8
INTERPRETE OFICIAL
E-034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA

10. En testimonio de lo cual, he estampado mi firma y me encargado de que se coloque el sello de mi Oficina en la ciudad de Baton Rouge el 11 de octubre de 2004

(firmado) Fox McKeithen, Secretario de Estado

La anterior es traducción fiel y completa de la cual se deja copia en esta oficina para su confrontación.



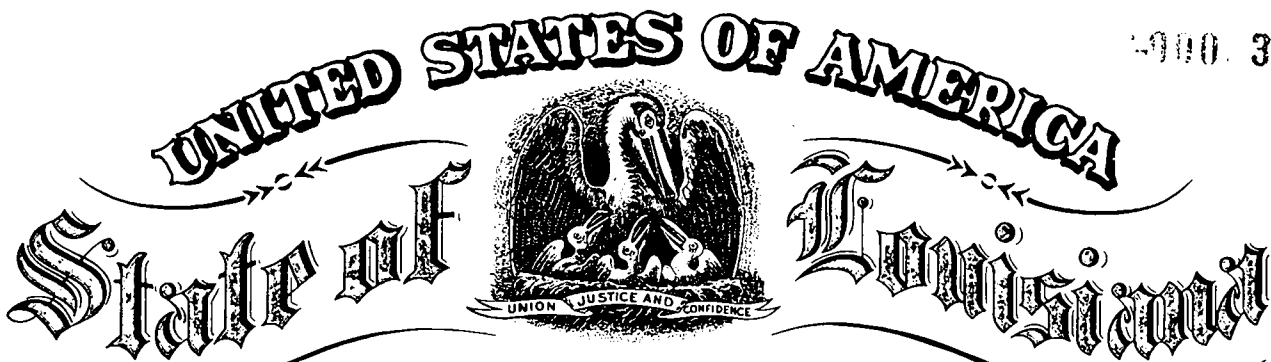
Jaime Armando Garavito Burgos

c.c. N° 19.130.702 de Bogotá

Traductor e Intérprete Oficial según Resolución N° 034 de enero 11 de 1983 expedida por el Ministerio de Justicia



JAIME A. GARAVITO 8
TRADUCTOR E INTÉRPRETE OFICIAL
RES. 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA



9000 32

Box McKeithen
SECRETARY OF STATE

As Secretary of State, of the State of Louisiana, I do hereby Certify that

APOSTILLE

Convention de La Haye du 5 Octobre 1961)

1. Country: United States of America

This public document

2. has been signed by NANCY CLIFTON TOWER

3. acting in the capacity of NOTARY PUBLIC

4. bears the seal/stamp of MARINUS QUIST, NOTARY PUBLIC,
PARISH OF CACASIEU, STATE OF LOUISIANA

CERTIFIED

5. at Baton Rouge, Louisiana

6. the 11TH day of OCTOBER

7. by the Secretary of State, State of Louisiana

8. No. 7273

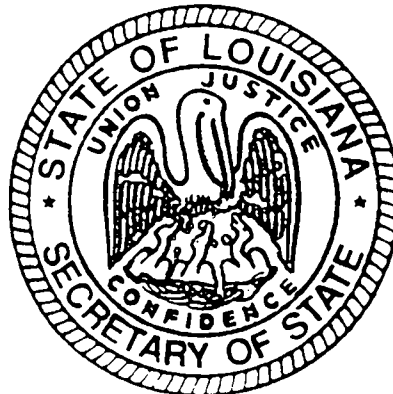
9. Seal/Stamp

10. Signature:

*In testimony whereof, I have hereunto set
my hand and caused the Seal of my Office
to be affixed at the City of Baton Rouge on,*

OCTOBER 11, 2004

Secretary of State



Vista-1223-H

ASSIGNMENT

Donald L. Wharry
by means of this document assign(s) to
Sasol North America Inc.

A corporation
organized under the laws of
Delaware, USA

Domiciled in
900 Threadneedle, Suite 100
Houston, Texas 77079, USA

(hereinafter referred to as the
"ASSIGNEE"),
all my (our) rights, title and interest in
and to my (our) invention for a new and
useful improvement entitled and as
fully set forth and described in:

"A Reactive Distillation Process
For the Alkylation of Aromatic
Hydrocarbons"

So far as the Republic of Colombia is
concerned.

Donald L. Wharry 9/27/04
Place, date and signature

CESION

por medio de la presente cedo (cedemos) a

una organizada bajo
las leyes de

domiciliada en

(de ahora en adelante el
"CESIONARIO"),
todos mis (nuestros) derechos, título e
interés sobre mi (nuestra) invención tal
como describe en:

en lo que concierne a la República de
Colombia.

Donald L. Wharry 9/27/04
Lugar, fecha y firma

STATE OF ~~TEXAS~~ Louisiana §
§
COUNTY OF Caldesiou §

BEFORE me the undersigned authority, on this day personally appeared Donald L. Wharry
known to me to be the person whose name is subscribed to the foregoing instrument, and
acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 27 day of September, A.D. 2004.

Spencer Clifton Jansen
Notary Public for the State of ~~Texas~~ Louisiana

FOX McKEITHEN
SECRETARY OF STATE
BATON ROUGE, LOUISIANA

 JAIME A. GARAVITO B.
 TRADUCTOR E INTERPRETE OFICIAL
 Bos 034 de Enero 11 de 1983
 MINISTERIO DE JUSTICIA

(firmado) NANCY CLIFTON TOWER, Notario Público para el Estado de Louisiana

(Sello seco que dice: "NANCY CLIFTON TOWER, Notario Público, Parroquia de Calcasieu, Louisiana)

ESTADOS UNIDOS DE AMÉRICA
(Aparece gráfica)
ESTADO DE LOUISIANA

Fox McKeithen
SECRETARIO DE ESTADO

En calidad de Secretario de Estado, del Estado de Louisiana, por medio del presente certifico que

APOSTILLA

1. País: Estados Unidos de América

Este documento público

2. ha sido firmado por NANCY CLIFTON TOWER
3. quien actúa en calidad de NOTARIO PÚBLICO
4. Lleva el sello de MARINUS QUIST, NOTARIO PÚBLICO, PARROQUIA DE CARCASIEU, ESTADO DE LOUISIANA


JAIME A. GARAVITO B
TRADUCTOR E INTERPRETE OFICIAL
Res 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA

CERTIFICADO

5. en Baton Rouge, Louisiana
6. el 11 de OCTUBRE
7. por el Secretario de Estado, Estado de Louisiana
8. N° 7270
9. Sello (Aparece impreso sello de la Secretaría de Estado del Estado de Louisiana)

10. En testimonio de lo cual, he estampado mi firma y me encargado de que se coloque el sello de mi Oficina en la ciudad de Baton Rouge el 11 de octubre de 2004

(firmado) Fox McKeithen, Secretario de Estado

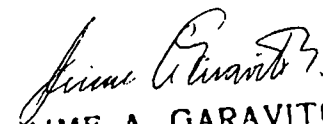
La anterior es traducción fiel y completa de la cual se deja copia en esta oficina para su confrontación.



Jaime Armando Garavito Burgos

c.c. N° 19.130.702 de Bogotá

Traductor e Intérprete Oficial según Resolución N° 034 de enero 11 de 1983 expedida por el Ministerio de Justicia



JAIME A. GARAVITO B
TRADUCTOR E INTERPRETE OFICIAL
Res 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA.

-110
2000 37

UNITED STATES OF AMERICA

State of Louisiana

Box McKeithen
SECRETARY OF STATE

As Secretary of State, of the State of Louisiana, I do hereby Certify that

APOSTILLE

Convention de La Haye du 5 Octobre 1961)

1. Country: United States of America

This public document

2. has been signed by NANCY CLIFTON TOWER

3. acting in the capacity of NOTARY PUBLIC

4. bears the seal/stamp of MARINUS QUIST, NOTARY PUBLIC,
PARISH OF CAKCASIEU, STATE OF LOUISIANA

CERTIFIED

5. at Baton Rouge, Louisiana

6. the 11TH day of OCTOBER

7. by the Secretary of State, State of Louisiana

8. No. 7270

9. Seal/Stamp

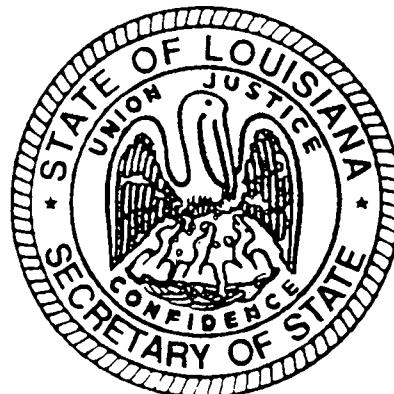
10. Signature:

*In testimony whereof, I have hereunto set
my hand and caused the Seal of my Office
to be affixed at the City of Baton Rouge on,*

OCTOBER 11, 2004

Box McKeithen

Secretary of State



ASSIGNMENT

Wayne L. Sorensen

by means of this document assign(s) to
Sasol North America Inc.

A corporation
organized under the laws of
Delaware, USA

Domiciled in
900 Threadneedle, Suite 100
Houston, Texas 77079, USA

(hereinafter referred to as the
"ASSIGNEE"),
all my (our) rights, title and interest in
and to my (our) invention for a new and
useful improvement entitled and as
fully set forth and described in:

"A Reactive Distillation Process
For the Alkylation of Aromatic
Hydrocarbons"

So far as the Republic of Colombia is
concerned.

Wayne L. Sorensen
Place, date and signature

CESION

por medio de la presente cedo (cedemos) a

una organizada bajo
las leyes de

domiciliada en

(de ahora en adelante el
"CESIONARIO"),
todos mis (nuestros) derechos, título e
interés sobre mi (nuestra) invención tal
como describe en:

en lo que concierne a la República de
Colombia.

Wayne L. Sorensen
Lugar, fecha y firma

STATE OF ~~TEXAS~~ Louisiana §

COUNTY OF Calcasieu §

BEFORE me the undersigned authority, on this day personally appeared Wayne L. Sorensen, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 27 day of September, A.D. 2004.

Jimmy Clifton
Notary Public for the State of ~~Texas~~ Louisiana

TRADUCCIÓN OFICIAL N° 1011043 de un documento escrito en inglés efectuada el día 10 de noviembre de 2004 por Jaime Armando Garavito Burgos, c.c. N° 19.130.702 de Bogotá, Traductor Oficial según Resolución N° 034 de enero 11 de 1983 expedida por el Ministerio de Justicia

PODER OTORGADO POR SASOL NORTH AMERICA INC.

Texto en inglés y en español mediante el cual **SASOL NORTH AMERICA INC.**, ubicada en **900 Threadneedle, Suite 100, Houston, Texas 77079, Estados Unidos de América**, otorga poder a **ALVARO CORREA ORDOÑEZ y/o JUAN PABLO CONCHA DELGADO y/o OLGA GEORGETTE OTERO y/o RICARDO METKE**

Dado y suscrito en Houston, Texas, el día 17 de septiembre de 2004

(firmado) Lynn L. Zimmerman

CERTIFICACIÓN NOTARIAL

A los 02 días del mes de diciembre de 2003, el suscrito Notario

DA FE

1. Que Lynn Zimmerman, mayor y domiciliado en Houston, Texas, suscribió de su puño y letra el documento que antecede.
2. Que conozco al otorgante y que éste tiene capacidad legal para el otorgamiento.
3. Que el otorgante ha suscrito el referido documento en su carácter de **Secretario Corporativo y Asesor Legal** de la persona jurídica **Sasol North America Inc.**
4. Que la persona jurídica **Sasol North America Inc.** tiene sede en **Houston, Texas 77079, Estados Unidos de América**, está legalmente constituida,



Jaime A. Garavito B.
JAIMÉ A. GARAVITO B.
TRADUCTOR E INTERPRETE OFICIAL
N° 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA

que tiene existencia legal actual y que el acto para el cual se otorga la cesión está comprendido entre los que constituyen su objeto social.

5. Que el otorgante tiene efectivamente la representación que ostenta y que ésta es legítima.
6. Que he basado las certificaciones 3, 4 y 5 anteriores en los siguientes documentos auténticos que al efecto se me exhibieron y que menciono específicamente con expresión de sus fechas y de su origen o procedencia:

Certificado de Constitución de fecha octubre 4 de 1983 presentado en Delaware EE.UU.

(Sello en tinta que dice: "Stephanie Shakour – Notario Público – Estado de Texas – Mi comisión vence el 05 de septiembre de 2007")

(Aparece impreso sello del Estado de Texas)

Estado de Texas
Secretaría de Estado
APOSTILLA

1. País: Estados Unidos de América
Este documento público
2. Ha sido firmado por STEPHANIE SHAKOUR
3. Quien actúa en calidad de Notario Público, Estado de Texas
4. Lleva el sello de STEPHANIE SHAKOUR, Notario Público, Estado de Texas, Comisión vence: El 05 de septiembre de 2007

Certificado

5. En Austin, Texas
6. El 22 de octubre de 2004
7. Por el Secretario del Estado de Texas
8. Certificado N° N-434299

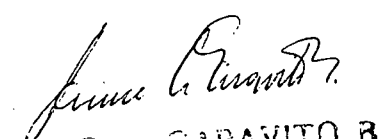


- 9. Sello (Aparece impreso sello del Estado de Texas)
- 10. Firma (firmado) Geoffrey S. Connor, Secretario de Estado

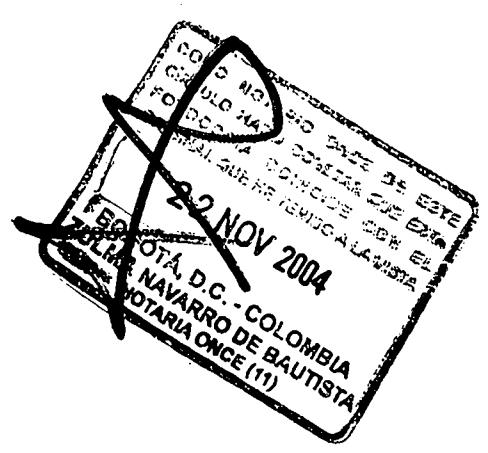
La anterior es traducción fiel y completa de la cual se deja copia en esta oficina para su confrontación.



Jaime Armando Garavito Burgos
c.c. N° 19.130.702 de Bogotá
Traductor e Intérprete Oficial según Resolución N° 034 de enero 11 de 1983
expedida por el Ministerio de Justicia



JAIME A. GARAVITO B
RADUCTION E INTERPRETE OFICIAL
Cal. 034 de Enero 11 de 1983
MINISTERIO DE JUSTICIA



COLOMBIA
BOGOTÁ, D.C. - COLOMBIA
22 NOV 2004
NOTARIO NAVARRO DE BAUTISTA
NOTARIA ONCE (11)



The State of Texas

Secretary of State

APOSTILLE

(Convention de La Haye du 5 Octobre 1961)

1. Country: United States of America

This public document
2. has been signed by

STEPHANIE SHAKOUR

3. acting in the capacity of

Notary Public, State of Texas

4. and bears the seal/stamp of

STEPHANIE SHAKOUR, Notary Public, State
of Texas, Commission Expires: 09-05-07

CERTIFIED

5. at Austin, Texas

6. on October 22, 2004

7. by the Secretary of State of Texas

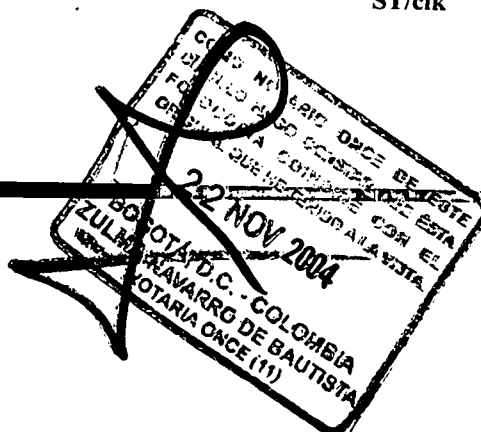
8. Certificate No. N-434299

9. Seal

10. Signature:



Geoffrey S. Connor
Secretary of State
ST/clk



BAKER & MCKENZIE

Raisbeck, Lara, Rodríguez & Rueda
Av. 82 No. 10 - 62 Piso 6
Bogotá, Colombia

NIT: 860.068.840-3
Tel: +57 1 834 1500
Fax: +57 1 376 2211
www.bakemet.com

2000 143

POWER OF ATTORNEY

The undersigned,

Name of the Company

Sasol North America Inc.
domiciled in

Address, city, state, country

900 Threadneedle, Suite 100, Houston, TX 77079, USA

declares that it hereby grants to

ALVARO CORREA-ORDOÑEZ and/or OLGA
GEORGETTE OTERO and/or RICARDO METKE and/or
JUAN PABLO CONCHA

with domicile at Av. 82 No. 10 - 62th floor, of Bogotá D. C., Colombia, a full and sufficient power of attorney to obtain the protection of my (our) industrial property and against the unfair competition, for which purpose I (we) authorize the said attorneys to represent me (us) before any authorities or persons, with or without jurisdiction, specially those administrative, administrative contentious and judicial, as well as before Arbitration Court, in all matters concerning the following: a) Obtainment of patents, utility models, industrial designs, integrated circuits, layout-designs and vegetal varieties; the registration of trademarks, denominations of origin, commercial names, trade emblems, slogans and domain names; its renewal, assignments, change of name or domicile, voluntary cancellation; and the registration of licenses of use of the above rights; b) Processes of protection to the consumer, unfair competition, oppositions, cancellations, nullity, precautionary injunctions, infringement, granting of licenses, writ mandamus, the protection of trade secrets, and in general the civil, penal, an administrative processes relating to those rights. And that in all the above matters they may substitute this Power of Attorney, compromise, conciliate, admit the facts of the case, desist, cancel, receive, resign, and ratify acts done by representatives without a power of attorney.

I hereby ratify all actions previously taken on behalf of this company by the aforementioned attorneys with respect to the mentioned matters.

PODER

La abajo firmada,

Nombre de la Compañía

Sasol North America Inc.

domiciliada en

Dirección, ciudad, estado, país

900 Threadneedle, Suite 100, Houston, TX 77079, USA

declara por el presente que otorga a

ALVARO CORREA-ORDOÑEZ and/or OLGA GEORGETTE
OTERO and/or RICARDO METKE and/or JUAN PABLO
CONCHA

con domicilio en la Av. 82 No. 10 - 62 Piso 6 en Bogotá D. C., Colombia, poder especial amplio y suficiente, para obtener la protección de mi (nuestra) propiedad industrial y contra la competencia desleal, a cuyo efecto autorizo (amos) a los dichos apoderados para que me (nos) representen ante cualesquiera autoridades o personas, ejerzan o no jurisdicción, especialmente ante las del orden administrativo, contencioso-administrativo y judicial, así como los tribunales de arbitramento, en todo lo concerniente a los siguientes asuntos: a) Obtención de patentes de invención, modelos de utilidad, diseños industriales, esquemas de trazado de circuitos integrados y variedades vegetales; el registro de marcas, denominaciones de origen, nombres comerciales, enseñanzas, lemas comerciales y nombres de dominio; su renovación, traspaso, cambio de nombre o domicilio, cancelación voluntaria; y el registro de licencias de uso de esos derechos; b) Los procesos para la protección del consumidor, competencia desleal, oposiciones, cancelaciones, nulidades, medidas cautelares, infracciones, concesión de licencias, la tutela, la protección de secretos industriales, y en general procesos civiles, penales, administrativos relacionados con estos derechos. Y para que en todos los asuntos arriba determinados, puedan sustituir este mandato, transigir, conciliar, admitir los hechos del caso, desistir, cancelar, recibir, renunciar, y ratificar los actos de agentes oficiosos.

Igualmente, ratifico todo lo actuado hasta el momento en los mismos asuntos, por cualquiera de los mencionados apoderados en representación de esta sociedad.

Done and subscribed in

Houston, Texas

Dado y firmado en Houston, Texas

On the

17th

day of

September of 2004

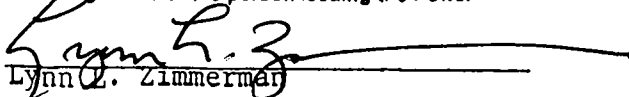
A los

17

días del mes de

Septiembre de 2004

Signature of the person issuing the Power


Lynn C. Zimmerman

Firma de la persona que firma el Poder



BARKER & MCKENZIE

2

000 144

NOTARIAL CERTIFICATION**CERTIFICACION NOTARIAL**

On this 17th day of September
 2004, the undersigned Notary

A los 17 días del mes de Septiembre
 de 200 4, el suscrito Notario

CERTIFIES

1. That Lynn L. Zimmerman
 of legal age and domiciled in Houston, Texas, USA
 set his hand on the foregoing document.
2. That the grantor is to me personally known and that he/she has legal capacity to execute the instrument
3. That the grantor has executed the foregoing document as General Counsel and Corporate Secretary

DA FE

1. Que Lynn L. Zimmerman
 mayor y domiciliado en Houston, Texas, USA
 suscribió de su puño y letra el documento que antecede.
2. Que conozco al otorgante y que éste tiene capacidad legal para el otorgamiento.
3. Que el otorgante ha suscrito el referido documento en su carácter de
Secretario General de Consejo y Corporativo

of the judicial person Sasol North America Inc. de la persona jurídica Sasol North America Inc.

4. That the judicial person Sasol North America Inc. 4. Que la persona jurídica Sasol North America Inc.
 having its home office in Houston, Texas con sede en Houston, Texas

is duly organized, has present legal existence and that the purposes for which the power of attorney is granted are within the scope of its corporate purposes.

está legalmente constituida, que tiene existencia legal actual y que el acto para el cual se otorga el poder está comprendido entre los que constituyen su objeto social.

5. That the grantor has in fact the referred to authority and that his/her representation is legal.
6. That I have based certifications 3, 4 and 5 above on the following authentic documents for such purpose exhibited to me and which I mention specifically, giving their dates and their origin or source:

5. Que el otorgante tiene efectivamente la representación que ostenta y que ésta es legítima.
6. Que he basado las certificaciones 3, 4 y 5 anteriores en los siguientes documentos auténticos que al efecto se me exhibieron y que menciono específicamente con expresión de sus fechas y de su origen o procedencia:

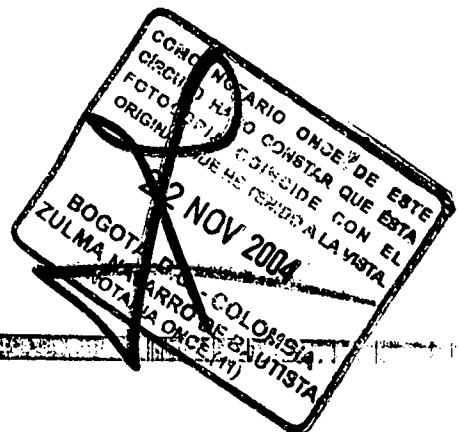
Certificate of Incorporation dated
October 4, 1983 filed in Delaware USA

Certificado de Constitución de Sociedad
de fecha Octubre 4 de 1983 presentado en
Delaware USA



Notary Public

El Notario Público



FORMULARIO UNICO DE CORRECCIONES Y MODIFICACIONES

①

SOLICITUD DE

☒ Corrección de Error Material

☐ Modificación de una solicitud

②

SOLICITANTE

Nombre: SASOL NORTH AMERICA, INC.

Dirección: 900 Threadneedle, Suite 100, Houston, Texas 77079,
Estados Unidos de América.

Nacionalidad o Domicilio: ESTADOUNIDENSE
Houston, Texas, Estados Unidos de América

Lugar de Constitución:

Teléfono:

Fax:

E-Mail

IDENTIFICACION

C.C.

NIT

C.E.

Otro

Cual

Número

③

REPRESENTANTE
O APODERADO

Nombre: ALVARO CORREA ORDOÑEZ

Dirección: Avenida 82 No.10-62 Piso 60.

Teléfono: 634 1500

Fax: 376 2211

E-Mail: patents.bogota@bakernet.com

IDENTIFICACION

C.C.

NIT

C.E.

Otro

Cual

Número

79.143.366 de

Usaquén

TP 20.281

④

Numero de expediente

04.086.983

⑤

Descripción de la corrección o modificación solicitada

Corrección voluntaria, por error mecanográfico en el nombre de uno

los inventores: De SORENSON, Wayne L. corregido por SORENSEN, Wayne L.

⑥

Comprobante de Pago No.

04-54,396

Fecha JULIO 9 DE 2004

⑦

Anexos

☒ Comprobante de pago de la tasa.

☒ Poderes, si fuere el caso.

☒ Documento que acredita la existencia y representación legal de las partes, cuando sean personas jurídicas.

⑧

NOMBRE ALVARO CORREA ORDOÑEZ

FIRMA

C.C.

79.143.366

de

T.P. 20.281

#115 119

000 46

NIT : 800176089-2

SUPERINDUSTRIA Y COMERCIO

Folios: 59

Radicacion : 04006583 00000002

Fecha (AMD): 2004-11-25 13:11:33

Tramite : 011 PCT-PATENT 378 FASE MACI 444 REPUESTA

Dependencia: 2020 DIVISION DE NUEVAS CREACIONES

RECIBO OFICIAL DE CAJA : 04 - 54,396
FECHA : JULIO 9 DE 2004

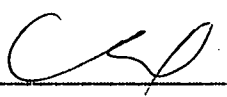
***** CONSIGNACION *****

DEPOSITANTE	TIPO PAGO	BANCO	CUENTA	No. PAGO	FECHA PGO	Ur. PAGO
ALVARO CORREA ORDOÑEZ	CONSIGNACION	BANCO POPULAR	050-00110-6	28088255	09/07/2004	98,739,000.00

***** CONCEPTO *****

CANT.	RENTISTICO	CONCEPTO	TOTAL CONCEPTO
1	50005-01-03	CAMBIO DE MODALIDAD Y MODIFICA	
		12 MARCAS Y LEAS COMERCIALES	87,000.00
		TOTAL :	\$ 87,000.00

SON: OCHENTA Y SIETE MIL PESOS

RESPONSABLE : 

RECIBO DE CAJA APLICADO AL EXPEDIENTE No. _____

PATENT COOPERATION TREATY

120
-1000-47

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:
C. JAMES BUSHMAN
BROWNING BUSHMAN PC
5718 WESTHEIMER, SUITE 1800
HOUSTON, TX 77057

RECEIVED
DEC 15 2003
BY: _____

ENTERED DEC 15 2003

PCT

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of Mailing
(day/month/year)

09 DEC 2003

Applicant's or agent's file reference

VISTA-1223-A*

IMPORTANT NOTIFICATION

International application No.

PCT/US03/01437

International filing date (day/month/year)

16 January 2003 (16.01.2003)

Priority date (day/month/year)

05 March 2002 (05.03.2002)

Applicant

SASOL NORTH AMERICA, INC.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/US

Mail Stop PCT, Attn: IPEA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

Authorized officer

Glenn Caldarola

Telephone No. (703) 308-0661

[Handwritten Signature]

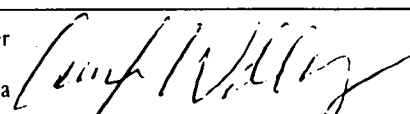
121
-5000-48

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference VISTA-1223-A	FOR FURTHER ACTION		See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/US03/01437	International filing date (day/month/year) 16 January 2003 (16.01.2003)	Priority date (day/month/year) 05 March 2002 (05.03.2002)	
International Patent Classification (IPC) or national classification and IPC IPC(7): C07C 2/64 and US Cl.: 585/446, 450			
Applicant SASOL NORTH AMERICA, INC.			
1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 2. This REPORT consists of a total of <u>3</u> sheets, including this cover sheet. ☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of <u> </u> sheets. 3. This report contains indications relating to the following items: - I ☒ Basis of the report - II ☐ Priority - III ☐ Non-establishment of report with regard to novelty, inventive step and industrial applicability - IV ☐ Lack of unity of invention - V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement - VI ☐ Certain documents cited - VII ☐ Certain defects in the international application - VIII ☐ Certain observations on the international application			
Date of submission of the demand 02 October 2003 (02.10.2003)		Date of completion of this report 17 November 2003 (17.11.2003)	
Name and mailing address of the IPEA/US Mail Stop PCT, Attn: IPEA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230		Authorized officer Glenn Caldarola  Telephone No. (703) 308-0661	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US03/01437

I. Basis of the report

1. With regard to the elements of the international application:*

- ☐ the international application as originally filed.
- ☒ the description:
 pages 1-17 as originally filed
 pages NONE, filed with the demand
 pages NONE, filed with the letter of _____.
- ☒ the claims:
 pages 18-22, as originally filed
 pages NONE, as amended (together with any statement) under Article 19
 pages NONE, filed with the demand
 pages NONE, filed with the letter of _____.
- ☒ the drawings:
 pages 1, as originally filed
 pages NONE, filed with the demand
 pages NONE, filed with the letter of _____.
- ☐ the sequence listing part of the description:
 pages NONE, as originally filed
 pages NONE, filed with the demand
 pages NONE, filed with the letter of _____.

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in printed form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of.

- ☐ the description, pages NONE
- ☐ the claims, Nos. NONE
- ☐ the drawings, sheets/fig NONE

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/US03/01437**V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. STATEMENT**

Novelty (N)	Claims <u>1-18</u>	YES
	Claims <u>NONE</u>	NO
Inventive Step (IS)	Claims <u>1-18</u>	YES
	Claims <u>NONE</u>	NO
Industrial Applicability (IA)	Claims <u>1-18</u>	YES
	Claims <u>NONE</u>	NO

2. CITATIONS AND EXPLANATIONS

Claims 1-18 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest an alkylation process by feeding an olefin feedstock having from 6 to 18 carbon atoms into a reactive distillation column at a point just above a catalyst zone and below a first rectification zone and introducing into the distillation column at a point below the catalyst zone an amount of aromatic hydrocarbon having from about 6 to 30 carbon atoms such that the aromatic hydrocarbon flows upward and contacts the olefin feedstock in the liquid phase as it descends and flows through the catalyst zone and wherein the reactive distillation column comprises a second rectification zone which is below the reactive zone.

Claims 1-18 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

----- NEW CITATIONS -----

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:
C. JAMES BUSHMAN
BROWNING BUSHMAN PC
5718 WESTHEIMER, SUITE 1800
HOUSTON, TX 77057

PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

Applicant's or agent's file reference VISTA-1223-A	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Date of Mailing (day/month/year)</td> <td style="width: 70%; text-align: right;">15 APR 2003</td> </tr> </table>	Date of Mailing (day/month/year)	15 APR 2003
Date of Mailing (day/month/year)	15 APR 2003		
International application No. PCT/US03/01437	International filing date (day/month/year) 16 January 2003 (16.01.2003)		
Applicant SASOL NORTH AMERICA, INC.			

1. ☒ The applicant is hereby notified that the international search report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ **With regard to the protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

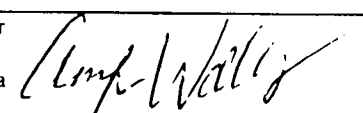
4. **Reminders**

Shortly after **18 months** from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 *bis*.1 and 90 *bis*.3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise the applicant must, **within 20 months** from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the *PCT Applicant's Guide*, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the ISA/US Commissioner for Patents Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230	Authorized officer Glenn Caldarola  Telephone No. (703) 308-0661
--	---

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference VISTA-1223-A	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/US03/01437	International filing date (<i>day/month/year</i>) 16 January 2003 (16.01.2003)	(Earliest) Priority Date (<i>day/month/year</i>) 05 March 2002 (05.03.2002)
Applicant SASOL NORTH AMERICA, INC.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the Report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (See Box II).

4. With regard to the **title**,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(h), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. 1



as suggested by the applicant.



None of the figures



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/01437

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

NEW ABSTRACT

A unified process for reactive distillation under pressure for the alkylation of light aromatic hydrocarbons such as benzene and cumene with straight chain C₆ - C₁₈ olefins using a solid acid alkylation catalyst supported in the reflux zone of the distillation column (column 2). The process is continuous, using a reactive distillation configuration such that at least a portion of the olefin (7) is injected below the benzene rectification zone at the top of the column. The aromatic hydrocarbon (17) is injected continuously at a low rate above the rectification zone (H) at the base of the column and above the reboiler (40). The alkylation reaction takes place primarily in the liquid phase on the solid acid catalyst and is characterized in that the molar ratio is adjustable up to about 100/1, through adjustment of the internal column operating pressure, the benzene reflux rate, the amount of benzene removed from the reflux condenser to storage or from the reboiler with the distillation column operated at or near total aromatic hydrocarbon reflux. The unexpectedly high liquid phase aromatic hydrocarbon to olefin molar ratios achieved in the reactive distillation column increases the selectivity to mono-alkylated aromatics and helps stabilize catalyst lifetime.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/01437

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07C 2/64
 US CL : 585/446, 450

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 585/446, 450

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,600,049 A (Sy) 04 February 1997 (04.02.1997), col. 2, line 29 through col. 3, line 64.	1-18.
X	US 5,082,990 A (HSIEH et al) 21 January 1992 (21.01.1992), example 7, col. 4, line 55 through col. 5, line 33.	1-18

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

25 March 2003 (25.03.2003)

Date of mailing of the international search report

15 APR 2003

Name and mailing address of the ISA/US

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

Facsimile No. (703)305-3230

Authorized officer

Glenn Caldarola

Telephone No. (703) 308-0661

PATENT COOPERATION TREATY

128
000 55From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

PCT

NOTIFICATION OF RECEIPT
OF DEMAND BY COMPETENT INTERNATIONAL
PRELIMINARY EXAMINING AUTHORITY(PCT Rules 59.3(e) and 61.1(b), first sentence
and Administrative Instructions, Section 601(a))

To:

C. JAMES BUSHMAN
BROWNING BUSHMAN PC
5718 WESTHEIMER, SUITE 1800
HOUSTON, TEXAS 77057

ENTERED OCT 23 2003

OCT 23 2003

Date of mailing
(day/month/year)

21 OCT 2003

Applicant's or agent's file reference

VISTA-1223-A

IMPORTANT NOTIFICATION

International application No.

PCT/US03/01437

International filing date (day/month/year)

16 Jan 2003

Priority date (day/month/year)

05 Mar 2002

Applicant

SASOL NORTH AMERICA, INC.

1. The applicant is hereby **notified** that this International Preliminary Examining Authority considers the following date as the date of receipt of the demand for international preliminary examination of the international application:

02 OCT 2003

2. That date of receipt is:

- ☒ the actual date of receipt of the demand by this Authority (Rule 61.1(b)).
- ☐ the actual date of receipt of the demand on behalf of this Authority (Rule 59.3(e)).
- ☐ the date on which this Authority has, in response to the invitation to correct defects in the demand (Form PCT/IPEA/404), received the required corrections.

3. ☐ **ATTENTION:** That date of receipt is **AFTER** the expiration of 19 months from the priority date. Consequently, the election(s) made in the demand does (do) not have the effect of postponing the entry into the national phase until 30 months from the priority date (or later in some Offices) (Article 39(1)). Therefore, the acts for entry into the national phase must be performed within 20 months from the priority date (or later in some Offices) (Article 22). For details, see the *PCT Applicant's Guide*, Volume II.

- ☐ (If applicable) This notification confirms the information given by telephone, facsimile transmission or in person on:

4. Only where paragraph 3 applies, a copy of this notification has been sent to the International Bureau.

Name and mailing address of the IPEA/
Mail Stop PCT, Commissioner for Patents
P.O. Box 1450, Alexandria, VA 22313-1450Authorized officer
Nisa Gilchrist-Jones

Facsimile No. 703-305-3230

Telephone No. 703-305-6107

Form PCT/IPEA/402 (July 1998)

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The demand must be filed directly with the competent International Preliminary Examining Authority or, if two or more Authorities are with the one chosen by the applicant. The full name or two-letter code of that Authority may be indicated by the applicant on the line

IPEA/ US

PCT

CHAPTER II

DEMAND

under Article 31 of the Patent Cooperation Treaty:
The undersigned requests that the international application specified below be the subject of international preliminary examination according to the Patent Cooperation Treaty and hereby elects all eligible States (except where otherwise indicated).

For International Preliminary Examining Authority use only

Identification of IPEA		Date of receipt of DEMAND	
Box No. I IDENTIFICATION OF THE INTERNATIONAL APPLICATION		Applicant's or agent's file reference VISTA-1223-A	
International application No. PCT/US03/01437	International filing date (day/month/year) 16 January 2003 (16.01.03)	(Earliest) Priority date (day/month/year) 05 March 2002 (05.03.02)	
Title of invention REACTIVE DISTILLATION PROCESS FOR THE ALKYLATION OF AROMATIC HYDROCARBONS			
Box No. II APPLICANT(S)			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) SASOL NORTH AMERICA, INC. 900 Threadneedle, Suite 100 Houston, Texas 77079 United States of America		Telephone No. 281-588-3541	
		Facsimile No. 281-588-3118	
		Teleprinter No.	
		Applicant's registration No. with the Office	
State (that is, country) of nationality: US		State (that is, country) of residence: US	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)			
State (that is, country) of nationality:		State (that is, country) of residence:	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)			
State (that is, country) of nationality:		State (that is, country) of residence:	
☐ Further applicants are indicated on a continuation sheet.			

See Notes to the demand form

Box No. III AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The following person is ☒ agent ☐ common representative
and ☒ has been appointed earlier and represents the applicant(s) also for international preliminary examination.
☐ is hereby appointed and any earlier appointment of (an) agent(s)/common representative is hereby revoked.
☐ is hereby appointed, specifically for the procedure before the International Preliminary Examining Authority, in addition to the agent(s)/common representative appointed earlier.

Name and address: (Family name followed by given name; for a legal entity, full official
The address must include postal code and name of country.)

BUSHMAN, C. James, Agent
BROWNING BUSHMAN P.C.
5718 Westheimer, Suite 1800
Houston, Texas 77057
United States of America

Telephone No.

713-266-5593

Facsimile No.

713-2665169

Teleprinter No.

Agent's registration No. with the Office
24,810

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Box No. IV BASIS FOR INTERNATIONAL PRELIMINARY EXAMINATION

Statement concerning amendments:*

1. The applicant wishes the international preliminary examination to start on the basis of:

☒ the international application as originally filed
the description ☒ as originally filed
☐ as amended under Article 34
the claims ☒ as originally filed
☐ as amended under Article 19 (together with any accompanying statement)
☐ as amended under Article 34
the drawings ☒ as originally filed
☐ as amended under Article 34

2. ☐ The applicant wishes any amendment to the claims under Article 19 to be considered as reversed.

3. ☐ The applicant wishes the start of the international preliminary examination to be postponed until the expiration of 20 months from the priority date unless the International Preliminary Examining Authority receives a copy of any amendments made under Article 19 or a notice from the applicant that he does not wish to make such amendments (Rule 69.1(d)). (This check-box may be marked only where the time limit under Article 19 has not yet expired.)

* Where no check-box is marked, international preliminary examination will start on the basis of the international application as originally filed or, where a copy of amendments to the claims under Article 19 and/or amendments of the international application under Article 34 are received by the International Preliminary Examining Authority before it has begun to draw up a written opinion or the international preliminary examination report, as so amended.

Language for the purposes of international preliminary examination: ENGLISH

☒ which is the language in which the international application was filed.
☐ which is the language of a translation furnished for the purposes of international search.
☐ which is the language of publication of the international application.
☐ which is the language of the translation (to be) furnished for the purposes of international preliminary examination.

Box No. V ELECTION OF STATES

The applicant hereby elects all eligible States (that is, all States which have been designated and which are bound by Chapter II of the PCT)

excluding the following States which the applicant wishes not to elect:

Sheet No. 3.

International application No.

PCT/US03/01437

Box No. VI CHECK LIST

The demand is accompanied by the following elements, in the language referred to in Box No. IV, for the purposes of international preliminary examination:

- | | | |
|--|---|--------|
| 1. translation of international application | : | sheets |
| 2. amendments under Article 34 | : | sheets |
| 3. copy (or, where required, translation) of amendments under Article 19 | : | sheets |
| 4. copy (or, where required, translation) of statement under Article 19 | : | sheets |
| 5. letter | : | sheets |
| 6. other (<i>specify</i>) | : | sheets |

For International Preliminary Examining Authority use only

received not received

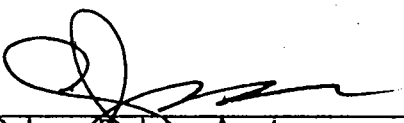
☐	☐
☐	☐
☐	☐
☐	☐
☐	☐
☐	☐

The demand is also accompanied by the item(s) marked below:

- | | |
|--|---|
| 1. ☒ fee calculation sheet | 5. ☐ statement explaining lack of signature |
| 2. ☐ original separate power of attorney | 6. ☐ sequence listings in computer readable form |
| 3. ☐ original general power of attorney | 7. ☐ tables in computer readable form related to sequence listings |
| 4. ☐ copy of general power of attorney; reference number, if any: | 8. ☐ other (<i>specify</i>): |

Box No. VII SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the demand).


C. James Bushman, Agent

For International Preliminary Examining Authority use only

1. Date of actual receipt of DEMAND:

2. Adjusted date of receipt of demand due to CORRECTIONS under Rule 60.1(b):

3. ☐ The date of receipt of the demand is AFTER the expiration of 19 months from the priority date and item 4 or 5, below, does not apply.

☐ The applicant has been informed accordingly.

4. ☐ The date of receipt of the demand is WITHIN the period of 19 months from the priority date as extended by virtue of Rule 80.5.

5. ☐ Although the date of receipt of the demand is after the expiration of 19 months from the priority date, the delay in arrival is EXCUSED pursuant to Rule 82.

For International Bureau use only

Demand received from IPEA on:

PCT

FEE CALCULATION SHEET

Annex to the Demand

International application No. PCT/US03/01437 Applicant's or agent's file reference VISTA-1223-A Applicant SASOL NORTH AMERICA, INC.	For International Preliminary Examining Authority use only Date stamp of the IPEA								
CALCULATION OF PRESCRIBED FEES 1. Preliminary examination fee 490.00 P 2. Handling fee (<i>Applicants from certain States are entitled to a reduction of 75% of the handling fee. Where the applicant is (or all applicants are) so entitled, the amount to be entered at H is 25% of the handling fee.</i>) 172.00 H 3. Total of prescribed fees Add the amounts entered at P and H and enter total in the TOTAL box 662.00 TOTAL									
MODE OF PAYMENT <table style="width: 100%;"> <tr> <td>☐ authorization to charge deposit account with the IPEA (see below)</td> <td>☐ cash</td> </tr> <tr> <td>☒ cheque</td> <td>☐ revenue stamps</td> </tr> <tr> <td>☐ postal money order</td> <td>☐ coupons</td> </tr> <tr> <td>☐ bank draft</td> <td>☐ other (specify):</td> </tr> </table>		☐ authorization to charge deposit account with the IPEA (see below)	☐ cash	☒ cheque	☐ revenue stamps	☐ postal money order	☐ coupons	☐ bank draft	☐ other (specify):
☐ authorization to charge deposit account with the IPEA (see below)	☐ cash								
☒ cheque	☐ revenue stamps								
☐ postal money order	☐ coupons								
☐ bank draft	☐ other (specify):								
AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT (This mode of payment may not be available at all IPEAs) ☐ Authorization to charge the total fees indicated above. ☒ (This check-box may be marked only if the conditions for deposit accounts of the IPEA so permit) Authorization to charge any deficiency or credit any overpayment in the total fees indicated above. IPEA/ <u>US</u> Deposit Account No.: <u>02-4345</u> Date: <u>02 October 2003</u> Name: <u>C. James Bushman</u> Signature: 