04-14-2004 FORM PTO-1595 U.S. DEPARTMENT OF COMMERCE REC Rev. 08/28/92 Patent and Trademark Office 102720401 Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): 1. Name of conveying party(ies): DOW GLOBAL TECHNOLOGIES INC. THE DOW CHEMICAL COMPANY Washington Street 2030 Dow Center 1790 Building Midland, Michigan 48674 Midland, Michigan 48674 UNITED STATES OF AMERICA UNITED STATES OF AMERICA Additional name(s) of conveying party(ies) is attached. Additional name(s) & address(es) are attached. 3. Nature of conveyance: x Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other Execution Date(s) July 10, 2003 4. Application Number(s) or Patent Number(s): February 19, 2003 10/369,984 Name and address of party to whom correspondence 6. Total number of applications and patents concerning document should be mailed: involved: 1 Total fee (37 CFR 3.41) \$40.00 The Dow Chemical Company

Intellectual Property P. O. Box 1967 Midland, Michigan 48641-1967 United States of America

- ☐ Enclosed
- Please deduct the above fee from our Deposit Account
- Deposit Account 04-1512. If this estimate is incorrect, please debit or credit our account accordingly.

DO NOT USE THIS SPACE

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.

Dated: April 8, 2004

44,574 US

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01 FC:8021 40.00 BA Office Professional (989) 636-1954

Total number of pages including attachments: 5

**PATENT** 

REEL: 015200 FRAME: 0306

This Assignment 440 is in the ENGLISH language and has the same meaning in other languages with the same 440 number.

**FORM 440** 

#### ASSIGNMENT

(with Priority Rights)

#### INVENTORSHIP DECLARATION

We, ASSIGNOR, of:

THE DOW CHEMICAL COMPANY

2030 Dow Center

Midland, Michigan 48674

UNITED STATES OF AMERICA

a corporation organized and existing under the laws of the State of Delaware, United States of America do hereby claim and declare that we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof from the sole, true and first inventor(s):

Edward D. Daugs, 2788 Tupelo Drive, Midland, Michigan 48642, United States of America

of an invention relating to and entitled:

# PREPARATION OF A TRANS-CALANOLIDE KETONE INTERMEDIATE AND CHIRAL SEPARATION OF CALANOLIDE ALCOHOLS TO GIVE RACEMIC CALANOLIDE A

We do hereby declare, for good and valuable consideration assign, and transfer unto:

received, sell,

WE, the ASSIGNEE:

DOW GLOBAL TECHNOLOGIES INC.

Washington Street 1790 Building

Midland, Michigan 48674

UNITED STATES OF AMERICA

and interest throughout the world, in and t	er the laws of the State of Delaware, United States of America our entire right, title to the invention and all rights and powers to make application for Letters Patent in its
own name, or in the name of its nominee;	and all rights and powers to file any reissue, divisional, continuing or substitute
application and any corresponding applica	ations in any and all countries, including all rights to claim priority under all
International Conventions and Treaties in	the name of said Assignee, and do hereby authorize said Assignee to insert here the
	and Filing Date February 19, 2003
in the United States of America	
of the application on which the priority wi	ill be based; and in and to any Letters Patent that may be issued for said invention in
any and all countries; and we do hereby ag	gree to assist said Assignee in the prosecution of the said applications and in any
interference, conflict, opposition or litigati	ion which may arise involving said invention or the patent or patents thereon, and to
execute any reissue, divisional, continuing	or substitute application and assent to their making any applications in other
	below specifically identified application, as may be requested by said Assignee; and
we do hereby authorize said Assignee to in	
Corresponding Application No.	and Filing Date
in	
we do hereby authorize and request that ar to the recordal of this Assignment being u	untry where that patent property must be entered for recordal of this Assignment; and my such Letters Patent be issued to said Assignee in accordance herewith, and consent nder covenant, not only that we have full power to make the same, but also that such grant, license, or other right heretofore given.
Subscribed and Sworn by us at	Midland, Michigan 48674, USA
this 10 day of July	, 20_03
CORN	THE DOW CHEMICAL COMPANY
CORP. SEAL	By: Sulter.
	GRAHAM E. TAYLOR
	Authorized Representative

Attach Notarial Certificate (Corporation)

PATENT REEL: 015200 FRAME: 0307 This Notarial Certificate 550 is in the ENGLISH language and has the same meaning in other languages with the same 550 number.

# NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF A	) SS			
County/Parish of Midlan	a )			
On this day of _ before me, GRAHAM E. T known or identified to me to b and acknowledged the same as of the said corporation incorporation.	AYLOR, Authorized of the individual describes a free act and deed for	Representative, ed in and who exe uses and purpose	s therein expressed by au	ument ithorit
further certify that said author	rity, dated February 13	3, 2003, is based of	on	
A Resolution of the Board of	Directors of the said	Corporation,		
which I have seen, appointing foregoing document on behalf granted are within the scope of	of the said corporation	and that the purpo	oses for which said docur	nent is
SEAL		Meritie Notary Public	<del>ù</del>	
	Ä	Ann Heritier Public, Bay County, cting in Midland Co	, <b>Mi</b> chigan unty	

PATENT REEL: 015200 FRAME: 0308 This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number.

FORM 660

#### ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE:

DOW GLOBAL TECHNOLOGIES INC.

**Washington Street** 1790 Building

	UNITED STATES OF AMERICA
hereby accept the ASSIG	NMENT attached hereto which is dated: July, 2003
From, the ASSIGNOR:	THE DOW CHEMICAL COMPANY 2030 Dow Center Midland, Michigan 48674
of the invention entitled:	UNITED STATES OF AMERICA
	TRANS-CALANOLIDE KETONE INTERMEDIATE AND CHIRAL ANOLIDE ALCOHOLS TO GIVE RACEMIC CALANOLIDE A
without any restrictions are confirmation of acceptance	nd with all rights and obligations deriving therefrom and declare that this se shall be deemed a part of the said ASSIGNMENT.
Signed at Midlan	d, Michigan 48674, USA
this day of	July , 2003
CORP.	DOW GLOBAL TECHNOLOGIES INC.
SEAL	- Mars (DA) (1.6)
	By: Noreen D. Warrick
	Secretary
UNITED STATES OF STATE OF MICHIGA County/Parish of Mid	AN ) SS land )
known or identified to me and acknowledged the san	of, 20_3, personally appeared by WARRICK, Secretary, to be the individual described in and who executed the foregoing document he as a free act and deed for uses and purposes therein expressed by authority or
further certify that said a	uthority, dated February 11, 2002, is based on
an Authorization Policy	of the said Corporation,
foregoing document on bei	ting the said individual Attorney-in-fact with full power to sign the half of the said corporation and that the purposes for which said document is see of the objects or activities of said corporation.
SEAL	Notary Public
	Ann Heritier  Notary Public, Bay County, Michigan

Acting in Midland County

My Commission Expires December 03, 2006

# TRUE COPY

TO ALL TO WHOM THESE PRESENTS SHALL COME,

I Do Hereby Certify that the annexed document(s) are TRUE COPIES of the original document(s) which I have compared.

at \_\_\_\_\_Midland, Michigan 48674, USA

this <u>08<sup>th</sup></u>	day of <u>April</u>	20 <u>04</u>			
		Crystal S. Rohde Office Professional THE DOW CHEMICAL COMPANY			
NOTARIAL CERTIFICATE					
UNITED STAT STATE OF <b>MI</b> County/Parish	, -	SS			
On this <u>08<sup>th</sup></u> before me,	day of <u>April</u>	20 <u>04</u> , personally appeared			
Crystal S. Rohde					
known or identified to me to be the individual who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.					
SEÁL Cybe		Notary Public  Abby Doyle  Notary Public, Saginaw County, Michigan Acting in Michael County, Michigan My Common and Castrambar 27, 2005			

**RECORDED: 04/12/2004** 

PATENT REEL: 015200 FRAME: 0310