

4-29-05

Practitioner's Docket No. LAR-17157-1

05-13-2005

PATENT

Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450



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112959 U.S. PTO
11/124508



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**COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING
NEW PATENT APPLICATION (37 C.F.R. § 3.31)**

**IDENTIFICATION OF APPLICATION
(37 C.F.R. § 3.21 and 37 C.F.R. § 3.31(a)(4))**

1. The patent application filed herewith and, to which the attached assignment (document) refers, is identified as follows:
 - a. Type of application: Application of patent (37 C.F.R. § 1.53(b))
 - b. Date of execution: April 29, 2005 (herewith)
 - c. Name of each inventor:
 - 1: Theodorus J. Dingemans
 - 2: Erik S. Weiser
 - 3: Terry L. St. Clair
 - d. Title of invention: Liquid Crystalline Thermosets From Ester, Ester-Imide, And Ester-Amide Oligomers

23351

NAME OF PARTY(IES) CONVEYING INTEREST (37 C.F.R. § 3.31(a)(1))

2. The parties conveying this interest are:

Name 1: Theodorus J. Dingemans
Name 2: Erik S. Weiser
Name 3: Terry L. St. Clair

**NAME AND ADDRESS OF PARTY(IES) RECEIVING INTEREST
(37 C.F.R. § 3.31(a)(2))**

3. The rights are being conveyed to:

United States of America as represented by the Administrator of the National Aeronautics and Space Administration
Washington, DC 20546-0001 U.S.

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**DESCRIPTION OF INTEREST CONVEYED OR TRANSACTION RECORDED
(37 C.F.R. § 3.31 (a)(3))**

4. The accompanying document intends to accomplish:

an assignment.

**NAME AND ADDRESS OF PARTY TO WHOM CORRESPONDENCE
SHOULD BE MAILED (37 C.F.R. § 3.31(a)(5))**

5. Please address correspondence to:

Robin W. Edwards
NASA Langley Research Center
MS 141
Hampton, VA 23681-2199
757-864-3230

DATE ASSIGNMENT (DOCUMENT) EXECUTED (37 C.F.R. § 3.31(a)(7))

6. The attached assignment (document) was executed by Theodorus J. Dingemans on
January 9, 2001.
The attached assignment (document) was executed by Erik S. Weiser on
January 9, 2001.
The attached assignment (document) was executed by Terry L. St. Clair on
January 12, 2001.

LANGUAGE OF ASSIGNMENT (DOCUMENT) TO BE RECORDED

7. The attached document is in the English language.

ORIGINAL DOCUMENT OR TRUE COPY SUBMITTED

8. Submitted herewith is the original document.

**NUMBER OF APPLICATIONS IDENTIFIED IN THIS COVER SHEET
AND THE FEE**

9. A. This cover sheet identifies only one application.
B. The fee for recordal (37 C.F.R. § 1.21(h)) is \$40.00.

Authorization is hereby made to charge the amount of \$40.00 to Deposit Account No. 14-0116.

Charge any additional fees required by this paper or credit any overpayment in the manner authorized above.

A duplicate of this paper is attached.

**STATEMENT (37 C.F.R. § 3.31(a)(9))
AND SIGNATURE (37 C.F.R. § 3.31(a)(10))**

10. 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.

Date: April 29, 2005

Robin W. Edwards

Robin W. Edwards
Registration No. 39,179
NASA Langley Research Center
MS 141
Hampton, VA 23681-2199
U.S.
757-864-3230
Customer No. 23351

TOTAL NUMBER OF PAGES BEING SUBMITTED

11. The total number of pages being submitted, including cover sheet, attachment(s), and document(s) are: 6

NASA Docket No. 16079-1

PATENT

For: U.S. and/or Foreign RightsFor: U.S. Application or
 U.S. Provisional ApplicationFor: U.S. PatentFor: PCT Application

By: Multiple Inventors

ASSIGNMENT AND AGREEMENT

WHEREAS, the undersigned inventor(s) is (are) National Research Council Research Associate(s) having elected NOT to retain the title under the provisions of "National Aeronautics and Space Administration - Disposition of Rights in Patent and Copyright", executed on 5-11-98, to the Subject Invention made as a consequence of, or in direct relation to, his/her (their) tenure as Research Associate(s), the Subject Invention being identified as:

TITLE: LIQUID CRYSTALLINE THERMOSETS FROM ESTER, ESTER-IMIDE, AND ESTER-AMIDE OLIGOMERS

INVENTORS: Theodorous J. Dingemans
313 Chesapeake Avenue
Hampton, VA 23666, USErik S. Weiser
977 Drivers Lane
Newport News, VA 23602, USTerry L. St. Clair
17 Roberts Landing Drive
Poquoson, VA 23662, US(This Assignment is applicable to INVENTOR(S): THEODOROUS J. DINGEMANS (hereinafter referred to as ASSIGNOR)); and

WHEREAS, the making of this Assignment and Agreement is in accordance with 15 USC §§ 3701-3715.

NOW THEREFORE, in consideration of financial and other benefits attributable to his/her (their) tenure as a Research Associateship awardee(s), the ASSIGNOR hereby sells, assigns and transfers to

ASSIGNEE: Administrator
National Aeronautics and Space Administration (NASA)
Washington, DC 20546

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

- the entire right, title and interest
- an undivided One-Third (1/3) interest for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

- and in all foreign countries, including all rights to claim priority in and to any and all improvements which are disclosed in the Subject Invention

(check and complete (a), (b), (c), (d), (e), (f), or (g))

PAGE 1 OF 2

and which is found in

- (a) U.S. patent application executed on even date herewith
- (b) U.S. patent application executed on _____
- (c) U.S. provisional application naming the above inventor(s) for the above-entitled invention
- Express mail label no.: _____
- Mailed: _____

To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request the attorney of record to insert below the filing date and application number when they become known.

- (d) U.S. application no. _____ filed on _____
- (e) International application no. PCT / _____ filed on _____
- (f) U.S. patent no. _____ issued _____

A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(check (g), if foreign application(s) is also being assigned)

- (g) and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said Subject Invention by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any reissue or re-examination thereof

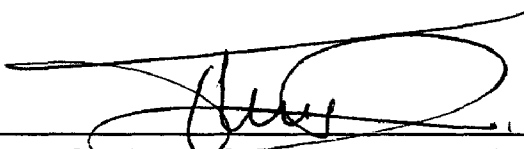
ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said Subject Invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof;

ASSIGNOR further understands that he/she (they) will share in any licensing royalties NASA Langley Research Center may receive for the Subject Invention, and/or for all Letters Patent to be obtained for said Subject Invention by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any reissue or re-examination thereof, to the same extent as the NASA inventor(s).

IN WITNESS WHEREOF, I/we have hereunto set our hand and seal.

Date: 01/09/01



 THEODOROS J. DINGEMANS

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked



ASSIGNMENT AND AGREEMENT

National Aeronautics and Space Administration

Title of Invention: LIQUID CRYSTALLINE THERMOSETS FROM ESTER, ESTER-IMIDE, AND ESTER-AMIDE OLIGOMERS

Inventor(s): THEODOROUS J. DINGEMANS, ERIK S. WEISER, and TERRY L. ST. CLAIR

NASA Case No.: 16079-1 Application No.*: 09/757,398 Filing Date*: 1/5/01

WHEREAS, the parties to this Assignment and Agreement are the undersigned inventor(s) and the United States Government (hereafter Government), as represented by the Administrator of the National Aeronautics and Space Administration;

WHEREAS, the making of this Assignment and Agreement is in accordance with 37 CFR Part 501; and

WHEREAS, the undersigned inventor(s) has (have) executed, on the date(s) indicated below, an application for a United States Patent on the above-entitled invention.

NOW THEREFORE, in consideration of employment by the Government, the undersigned hereby:

1. Assign to the Government my (our) full and exclusive right in and to said invention within the United States of America, its territories and possessions, and my (our) entire right, title and interest in and to said application, and any corresponding continuation or divisional application(s), and any patent(s) that may issue therefrom.

2. Agree to grant to the Government my (our) full and exclusive foreign rights in and to said invention, in accordance with 37 CFR 501.9(d), including rights of priority under the International Convention of Paris (1883), as amended. If the Government chooses not to file an application in any foreign country, I (we) may request rights in that country, in accordance with 37 CFR 501.9(d), and such rights will be subject to the reservation to the Government of a nonexclusive, irrevocable, royalty-free license in the invention with power to grant licenses for all governmental purposes. The terms of such reservation will appear, where practicable, in any foreign patent which may issue on such invention.

3. Agree, at the expense of the Government, (a) to execute any document for, (b) to deliver any requested information to, and (c) to cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment and Agreement.

*4. Authorize and request the attorneys of record in the application to insert the application number and filing date above when required.

Signature of Inventor: ERIK S. WEISER Date: 1/9/01 Date Application Executed: 1/9/01 Post Office Address: 977 Drivers Lane, Newport News, VA 23602 USA

Signature of Inventor: TERRY L. ST. CLAIR Date: 1/12/01 Date Application Executed: 1/12/01 Post Office Address: 17 Roberts Landing Drive, Poquoson, VA 23662, USA

(Signature of Inventor) (Date) (Date Application Executed) (Inventor's Typed Name) (Post Office Address - Including Country)