



02-07-2002

101975441  
PATENTS ONE.PATENT  
MIT-094CPDV  
(5473/101)

HEET

MM  
1.30.02

TO: Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

## Submission Type

- ☒ New  
☐ Resubmission (Non-Recordation)

Document ID#: 

- ☐ Correction of PTO Error

Reel #:  Frame #: 

- ☐ Corrective Document

Reel #:  Frame #: 

## Conveyance Type

- ☒ Assignment ☐ Security Agreement  
☐ License ☐ Change of Name  
☐ Merger ☐ Other

U.S. Government

(For use ONLY by U.S. Government Agencies)

- ☐ Departmental File ☐ Secret File

## Conveying Party(ies)

- ☐ Mark if additional names of conveying parties attached

Name  Lyle G. ShirleyExecution Date  
Month Day Year

08/13/1999

Name 

/ /

Name 

/ /

Name 

/ /

Name 

/ /

## Receiving Party

- ☐ Mark if additional names of receiving parties attached

Name (line 1)  Massachusetts Institute of TechnologyName (line 2) Address (line 1)  77 Massachusetts AvenueAddress (line 2) Address (line 3)  Cambridge Massachusetts 02139

City

State/Country

Zip Code

- ☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment)

## Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name Address (line 1) Address (line 2) Address (line 3) Address (line 4) 

FOR OFFICE USE ONLY

02/07/2002 TDI A21 00000020 09800984

01 FC:581

40.00 DP

Mail documents to be recorded with required cover sheet(s) information to:  
Box Assignment, Commissioner of Patents and Trademarks, Washington, D.C. 20231

PATENT  
REEL: 012540 FRAME: 0516

## Correspondent Name and Address

Area Code and Telephone Number (617) 248-7000

Name Patent Administrator

Address (line 1) Testa, Hurwitz &amp; Thibault, LLP

Address (line 2) High Street Tower

Address (line 3) 125 High Street

Address (line 4) Boston, MA 02110

Pages Enter the total number of pages of the attached conveyance document including any attachments.

2

## Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

## Patent Application Number(s)

09/800,984

## Patent Number(s)

## Patent Cooperation Treaty (PCT)

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

## Number of Properties

Enter the total number of properties involved.

#

1

## Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$

40.00

Method of Payment:

Enclosed ☒Deposit Account ☐

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account)

Deposit Account Number

#

20-0531

Authorization to charge additional fees:

Yes ☒No ☐

## 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. Charges to deposit account are authorized, as indicated herein.

Joel Stettenheim

Name of Person Signing

Signature

January 8, 2002

Date

2255316

Mail documents to be recorded with required cover sheet(s) information to:  
Box Assignment, Commissioner of Patents and Trademarks, Washington, D.C. 20231

PATENT  
REEL: 012540 FRAME: 0517

ASSIGNMENT

WHEREAS, I, Dr. Lyle G. Shirley, have invented one or more improvements in  
Compensation for Measurement Uncertainty Due to Atmospheric Effects

described in an application (or provisional application) for Letters Patent of the United States:

☐ identified by Attorney Docket No. MIT-094CP, and/or executed by me of even date  
herewith and about to be filed in the United States Patent Office;

☒ Serial No. 09/325,177 filed in the United States Patent Office on June 3, 1999; and

WHEREAS, Massachusetts Institute of Technology (hereinafter "ASSIGNEE"), a corporation  
organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual  
place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139 desires to acquire an  
interest therein, in accordance with agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of  
said agreements and of other good and valuable consideration, the receipt of which is hereby  
acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and  
transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title  
and interest in and throughout the United States of America, its territories and all foreign countries, in  
and to the inventions described in said application, together with my entire right, title and interest in  
and to said application and such Letters Patent as may issue thereon or claim priority under  
international convention, including but not limited to continuations, divisionals, reissues, and  
reexaminations of said application of such Letters Patent; said inventions, applications and Letters  
Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors,  
assigns and legal representatives, to the full end of the term for which said Letters Patent may be  
granted as fully and entirely as the same would have been held by me had this assignment and sale not  
been made; I hereby convey all of my rights arising under or pursuant to any and all international  
agreements, treaties or laws relating to the protection of industrial property by filing any such  
applications for Letters Patent. I hereby acknowledge that this assignment, being of my entire right,  
title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain  
from competent authorities in all countries of the world any and all Letters Patent by attorneys and  
agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE  
for its own name as assignee of my entire right, title and interest therein.

AND, I hereby further agree for myself and my executors and administrators to execute upon  
request any other lawful documents and likewise to perform any other lawful acts which may be  
deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns,  
and legal representatives, but at its or their expense and charges, including: the execution of  
applications for patents in foreign countries; the execution of substitution, reissue, divisional or  
continuation applications; and preliminary or other statements or the giving of testimony in any  
interference or other proceeding in which said invention or any application or patent directed thereto  
may be involved; and I further hereby authorize ASSIGNEE or its attorneys or agents to insert the

correct serial number and filing date into this assignment if none is indicated on that date of my execution of this assignment;

AND, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

*IN TESTIMONY WHEREOF*, I have hereunto set my hand and affixed my seal the date set forth below.

Inventor:

Lyle G. Shirley  
Dr. Lyle G. Shirley

Commonwealth of Massachusetts )  
County of Middlesex ) ss

Subscribed and sworn to before me, by the above-named Dr. Lyle G. Shirley this 13<sup>TH</sup> day  
of AUGUST, 1999.

Stephen J. Maloney  
Notary Public  
My Commission Expires: 03 August 2000