

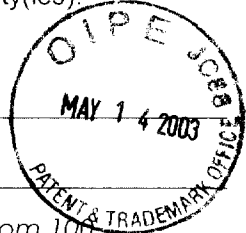
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original documents or copy thereof of receiving party(ies):

To the Honorable Commissioner of Patents and Trademarks

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*The Aerospace Corporation* **5-14-03**  
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Name: *United States Air Force*  
Internal Address: *AFMC LO/JAZ*  
Street Address: *2240 B Street, Room 100*  
City: *Wright-Patterson Air Force Base*  
State: *Ohio* Zip: *45433-7109*



3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other Confirmatory License  
Execution Date(s): *March 10, 2003*  
 This instrument should be recorded on the governmental register in accordance with 37 CFR 7.1(e)(1).

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4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_  
A. Patent Application No.(s): *10/157,432*  
B. Patent No.(s): \_\_\_\_\_  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: *Fredric L. Sinder*  
Internal Address: *AFMC LO/JAZ*  
Street Address: *2240 B Street, Room 100*  
City: *Wright-Patterson Air Force Base*  
State: *Ohio* ZIP: *45433-7109*

6. Total number of applications and patents involved:  
**1**  
7. Total fee (37 CFR 3.41) .....\$ 0  
 Enclosed  Not applicable  
**The instrument to be recorded is not an instrument affecting title (37 CFR 3.41(b)).**  
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*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.*

*Fredric L. Sinder* *Re Sinder* April 30, 2003  
Name of person signing Signature Date

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

Confirmatory License

Application For: Eigenvalue Quadric Surface Method for Determining When Two Ellipsoids Share Common Volume for Use in Spatial Collision Detection and Avoidance

Inventor(s): F. K. Chan, M. L. Greer

Serial No.: 10/157,432 Contract No.: F04701-00-C-0009


Filing Date: 05/29/02 Contractor: The Aerospace Corporation

The invention identified above is a "Subject Invention" under Patent Rights clause FAR 52.227, which is included in Contract No. F04701-00-C-0009 with the Department of the Air Force. This document confirms the rights acquired by the Government through the referenced clause, including a paid-up license in this invention, corresponding patent applications and in any resulting patents.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Date Signed: 3/10/03

Contractor: The Aerospace Corporation

By:   
Gordon J. Louttit  
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**RECORDED: 05/14/2003**

**PATENT**  
**REEL: 014085 FRAME: 0520**