

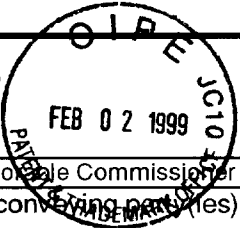
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U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

NORTHROP GRUMMAN CORPORATION

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

g-g-99

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

Execution Date(s): 21 October 1998☒ This instrument should be recorded on the government register in accordance with 37 CFR 7.1(e)(1).

2. Name and address of receiving party(ies):

Name: United States Air ForceInternal Address: AFMC LO/JAZStreet Address: 2240 B Street, Room 100City: Wright-Patterson Air Force BaseState: Ohio Zip: 45433-7109Additional name(s) & address(es) attached? ☐ Yes ☒ No

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):

08/999,858

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. SinderInternal Address: AFMC LO/JAZStreet Address: 2240 B Street, Room 100City: Wright-Patterson Air Force BaseState: Ohio ZIP: 45433-7109

6. Total number of applications and patents involved:

17. Total fee (37 CFR 3.41)\$ 0☐ Enclosed ☒ Not applicable**The instrument to be recorded is not an instrument affecting title (37 CFR 7.1(e)(2) and (j)).**

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

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9. 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.*Fredric L. Sinder

Name of person signing

FLS

Signature

25 January 1999

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

2**PATENT
REEL: 9743 FRAME: 0301**

Confirmatory Instrument

Contract No.: F33615-92-C-5969

Contractor: United States Department of the Air Force

Patent Number: Patent Pending Number 08/999,858

Date of Patent: Filing Date 11/21/97

Title: "Rapid Pulse Heating To Reduce Applied Film to Substrate Stresses"

Inventors: Fred B. Hagedorn and William F. Cashion

The invention identified above is a "Subject Invention" under the Patent Rights Clause included in the above identified contract with the U.S. Department of the Air Force. This document is confirmatory of the paid-up license granted to the Government under this contract in this invention and resulting patent, and of all other rights acquired by the Government under the contract.

Signed this 21st day of October, 1998,

NORTHROP GRUMMAN CORPORATION
Electronic Sensors and Systems Division

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