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Form PTO-1595

RE

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OMB No. 0651-0027 (exp. 5/31/2002)



102509322

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

James W. Fuller

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

Name: United Technologies Corporation

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: Hartford State: CT Zip: 06101Additional name(s) & address(es) attached? ☐ Yes ☒ No16235 U.S. PTO  
10/620569  
07/16/03Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: July 7, 2003

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application,  
enter the date the patent was signed by the first named executing inventor: July 7, 2003

## A. Patent Application No.(s)

10,620569

## B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: John E. CarlsonInternal Address: Carlson, Gaskey & Olds, P.C.Street Address: 400 West MapleSuite 350City: Birmingham State: Michigan Zip: 480096. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

## 8. Deposit account number:

50-1482☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  
(Attach duplicate copy of this page if paying by deposit account)

## DO NOT USE THIS SPACE

## 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.*John E. Carlson

Name of Person Signing

[Signature]  
SignatureJuly 16, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 1

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

07/25/2003 LNUELLER 00000253 10620569

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40.00 DP

PATENT  
REEL: 014305 FRAME: 0639

**ASSIGNMENT**  
**(Sole Inventor)**

WHEREAS, I, **James W. Fuller** (hereinafter referred to as Assignor), residing at **20 Jones Street, Amston, CT 06231**, have invented new and useful improvements in:

**A SQUARE ROOT METHOD FOR COMPUTATIONALLY  
EFFICIENT MODEL PREDICTIVE CONTROL**

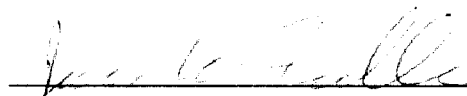
which is set forth in an application in the United States executed on even date herewith:

AND WHEREAS, **UNITED TECHNOLOGIES CORPORATION**, (hereinafter referred to as Assignee), of **Hartford, Connecticut 06101**, a corporation of the State of Delaware is desirous of acquiring the entire right, title and interest in and to said invention and said Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, be it known by all whom it may concern, that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have assigned, sold and set over, and by these presents assign, sell and set over unto the Assignee, its successors, legal representatives and assigns, for the territory of the United States of America and all foreign countries, the entire right, title and interest in and to said invention, said application for Letters Patent, including the right to file foreign patent applications corresponding to said application, and the right to claim the priority date of said United States patent application and any legal equivalents thereof, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and to any and all divisions, continuations, and continuations-in-part of said application, or re-issues or extensions of said Letters Patent or Patents prepared and executed by the Assignor on even date herewith, the same to be held and enjoyed by the Assignee, as fully and entirely as the same would have been held by the Assignor had this Assignment and sale not been made.

AND the Assignor hereby covenants and agrees that the Assignor will at any time upon the request and at the expense of the Assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and the Assignor hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the said Assignee in accordance with this Agreement.

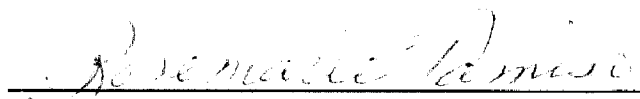
IN TESTIMONY WHEREOF, I hereunto set my hand and affix my seal at East  
Hartford, in the State of Connecticut, this 7 day of July, 2003.

  
James W. Fuller

STATE OF CONNECTICUT )

COUNTY OF HARTFORD } EAST HARTFORD

Before me personally appeared said **James W. Fuller**, and acknowledged the foregoing instrument to be his own free act and deed, this 7<sup>th</sup> day of July, 2003.

  
Notary Public

**ROSEMARIE TAMISO**  
**NOTARY PUBLIC**  
MY COMMISSION EXPIRES AUG. 31, 2004

Please address all correspondence and telephone calls and, upon recordation, please return this document to:

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