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

To the Honorable Commissioner of Patents

Attached original documents or copy thereof.

1. Name of conveying party(ies):  
Matthew J. BEUTEL  
William H. PETTIT  
Steven G. GOEBEL  
Additional name of conveying party(ies) attached?  Yes  No

01/11/02

2. Name and address of receiving party(ies)  
Name: GENERAL MOTORS CORPORATION  
Internal Address: Legal Staff - Intellectual Property  
Mail Code 482-C-23-B21  
300 Renaissance Center, P.O. Box 300  
Street Address: P.O. Box 300  
300 Renaissance Center  
City: Detroit State: MI Zip: 48265  
Additional Name(s) & address(es) attached?  Yes  No

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3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date(s): December 14, 2001

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: December 14, 2001  
A. Patent Application No.(s) B. Patent No.(s)  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning this document should be mailed:  
Name: Linda M. Deschere  
Internal Address: Harness, Dickey & Pierce, P.L.C.  
Street Address: P.O. Box 828  
City: Bloomfield Hills State: MI Zip: 48303

6. Total number of applications and/or patents involved: 1  
7. Total fee (37 CFR 3.41) . . . . . \$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account

8. The Commissioner is hereby authorized to charge any additional fees that may be required or credit any overpayments to Deposit Account No. 07-0960. A duplicate copy of this sheet is enclosed.

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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.  
Linda M. Deschere  
Name of Person Signing  
Signature  
Date  
January 11 2002

01/24/2002 DBYRNE 00000152 070960 -1004330

Total number of pages including cover sheet, attachments, and documents: 3

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Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

# ASSIGNMENT

Atty. Docket No. 8540G-000076

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

## QUICK START LARGE DYNAMIC RANGE COMBUSTOR CONFIGURATION

for which Assignor is about to make or has made United States or International application for patent

- (a)  executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b)  executed on \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_; or
- (c)  filed on \_\_\_\_\_, and assigned Serial No. \_\_\_\_\_ or PCT International Application No. \_\_\_\_\_;
- (d)  U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_; and

WHEREAS, GENERAL MOTORS CORPORATION, hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

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

Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

Assignor hereby authorizes and requests my attorney to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

ASSIGNMENT

Matthew J. Beutel  
First Inventor  
MATTHEW J. BEUTEL

On this 14 day of December, 2001, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that they executed the same of their own free will for the purposed therein set forth.

James S. Saller  
Notary Public,

(seal)

Monroe County, State of New York

My Commission Expires: 8-21-05

William H. Pettit

Second Inventor  
WILLIAM H. PETTIT

JAMES L. SALLER  
NOTARY PUBLIC, State of New York  
Monroe County - 4954954  
My Commission Expires: 8-21-05

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James S. Saller  
Notary Public,

(seal)

Monroe County, State of New York

My Commission Expires: 8-21-05

Steven G. Goebel  
Third Inventor  
STEVEN G. GOEBEL

JAMES L. SALLER  
NOTARY PUBLIC, State of New York  
Monroe County - 4954954  
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