



Form PTO-1595  
1-31-92

U.S. DEPARTMENT OF COMMERCE  
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PATENTS ONLY

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

1. Name of conveying party(ies):  
Amarendra Anumakonda  
Jean Yamanis  
Joe Ferrall  
Additional name(s) of conveying party(ies) attached?  yes  no

*MKD*  
*2-8-99*

2. Name and address of receiving party(ies):  
(2a.)  
Name: AlliedSignal Inc.  
Address: P.O.Box 1219, 101 Columbia Road  
City: Morristown State: New Jersey Zip Code: 07962

3. Name of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: \_\_\_\_\_

(2b.)  
Name \_\_\_\_\_  
Address: \_\_\_\_\_  
Additional 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) : 09/175,125

B. Patent No.(s) \_\_\_\_\_  
Additional numbers attached  yes  no

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Robert Desmond  
Internal Address: AlliedSignal Inc.  
Law Dept., M/S 36-2-76000  
Street Address: 2525 W. 190<sup>th</sup> Street  
City: Torrance State: CA ZIP 90504

6. Total number of applications and patents involved: one  
7. Total fee (37 CFR 3.41):.....\$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number: 01-1113

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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.  
Robert Desmond  
Name of Person Signing

*Robert Desmond*  
Signature

1-29-99  
Date

Total number of pages comprising cover sheet, attachments and document: 2

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

Assistant Commissioner for Patents  
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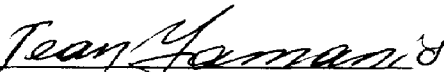

## ASSIGNMENT

**WHEREAS, Amarendra Anumakonda**, residing at 748 Century From Lane, Naperville, Illinois 60563; **Jean Yamanis**, residing at 15 Redwood Road, Morris Township, New Jersey 07960; and **Joe Ferrall**, residing at 1547 Darcy Avenue, Simi Valley, California 93065 (hereinafter "Assignor") have invented certain new and useful improvements in **CATALYTIC PARTIAL OXIDATION OF HYDROCARBON FUELS TO HYDROGEN AND CARBON MONOXIDE** (hereinafter "invention") for which Assignor is making or has made application for **LETTERS PATENT OF THE UNITED STATES**, which application was filed at the U.S. Patent Office on **October 19, 1998**, and assigned **Serial No. 09/175,125**.

**AND WHEREAS, AlliedSignal Inc.**, a corporation organized and existing under the laws of the State of Delaware, US, having a place of business at 101 Columbia Road, Morristown, New Jersey 07962 US, (hereinafter called "the Assignee"), is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries any United States or foreign **LETTERS PATENT** that may be granted therefor.

**NOW, THIS INDENTURE WITNESSETH**, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any **LETTERS PATENT** of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for **LETTERS PATENT** in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty including any international convention, for the protection of industrial property, together with the right to extend the protection of said United States **LETTERS PATENT** to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit and for the use and benefit of its successors or assigns, 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 and enjoyed by Assignor if this assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, US and its foreign counterparts to issue said **LETTERS PATENT** when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining sustaining, extending, reissuing or reexamining United States and foreign **LETTERS PATENT** or the like for the said invention, and for maintaining and perfecting the Assignee's right to said invention and **LETTERS PATENT** particularly in cases of interference conflict, opposition and litigation.

Dated: 1-19-1999
  
 Amarendra Anumakonda
Dated: 1/21/1999
  
 Jean Yamanis
Dated: 1/26/1999
  
 Joe Ferrall