

## PATENT ASSIGNMENT

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

## CONVEYING PARTY DATA

Name	Execution Date
VELLIYUR NOTT MALLIKARJUNA RAO	11/03/2003
SHEKHAR SUBRAMONEY	10/31/2003
H. DAVID ROSENFELD	11/03/2003
MARIO J. NAPPA	10/31/2003
ALLEN C. SIEVERT	10/31/2003
MUNIRPALLAM APPADORAI SUBRAMANIAN	10/24/2003

## RECEIVING PARTY DATA

Name:	E. I. DU PONT DE NEMOURS AND COMPANY
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Internal Address:	LEGAL-PATENTS
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State/Country:	DELAWARE
Postal Code:	19898

## PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US0326326

## CORRESPONDENCE DATA

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NAME OF SUBMITTER:

CAROL REEDER

PATENT

REEL: 016109 FRAME: 0851

CH \$40.00 US0326326



# ASSIGNMENT

We, the undersigned

**VELLIYUR NOTT MALLIKARJUNA RAO, H. DAVID ROSENFELD,  
ALLEN C. SIEVERT, SHEKHAR SUBRAMONEY, MARIO J. NAPPA,  
MUNIRPALLAM APPADORAI SUBRAMANIAN**

Hereby declare that

We are the true and first inventors of an invention entitled

**COBALT-SUBSTITUTED CHROMIUM OXIDE COMPOSITIONS, THEIR  
PREPARATION, AND THEIR USE AS CATALYSTS AND CATALYST  
PRECURSORS**

and which is disclosed in United States Patent Application No. PCT/US03/26326 filed on August 21, 2003 (and which is identified as Case Number CL2099 PCT).

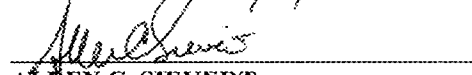
For valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment of our pre-existing obligation of assignment, we hereby:

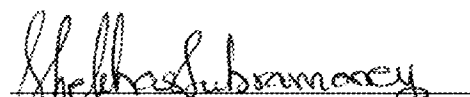
I. Sell, assign, and transfer unto **E. I. DU PONT DE NEMOURS AND COMPANY**, a corporation organized and existing under the laws of the State of Delaware in the United States of America and having its principal place of business at Wilmington, Delaware, hereinafter referred to as the assignee, (A) the sole and entire right, title, and interest in and to: (1) the aforesaid application for Letters Patent, (2) any priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and any other treaty or understanding for intellectual property for any and all member countries of the aforesaid International Convention or other treaty or understanding, (3) any and all our inventions, whether joint or sole, disclosed in the aforesaid application for Letters Patent, (4) any and all applications for Letters Patent for any such inventions in any country whatsoever, (5) any and all patents for any such inventions in any country whatsoever; and (B) the sole right to (1) file such applications in its name or ours, (2) to file such applications under the aforesaid International Convention or other treaty or understanding, (3) have said patents granted in its name or ours, and (4) enforce said patents and to sue for and recover profits and damages for any and all infringements thereof whether past or future; and

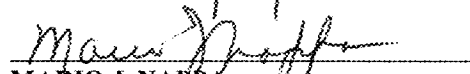
II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to us respecting said rights, to testify in any legal proceeding respecting said rights, to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives to carry into effect any of the provisions of this instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions in any and all countries.

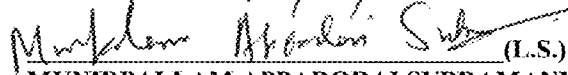
 (L.S.)  
**VELLIYUR NOTT MALLIKARJUNA RAO**  
DATE: 11/3/03

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**H. DAVID ROSENFELD**  
DATE: 11/3/03

 (L.S.)  
**ALLEN C. SIEVERT**  
DATE: 31-Oct-2003

 (L.S.)  
**SHEKHAR SUBRAMONEY**  
DATE: 10/31/03

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**MARIO J. NAPPA**  
DATE: 10/31/03

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DATE: Oct 24, 2003

PATENT

RECORDED: 06/08/2005

REEL: 016109 FRAME: 0853