



09-21-1998

S-72,913

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**



100870265

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Name (line 1)  TDA RESEARCH, INC.

Execution Date  
Month Day Year  
 06/02/97

Name (line 2)

**Second Party**

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

**Receiving Party**

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Name (line 1)  United States Department of Energy

Name (line 2)

Address (line 1)  GC-62, MS 6F-067 (FORSTL)

Address (line 2)  1000 Independence Avenue, S.W.

Address (line 3)  Washington  D.C.  20585  
City State/Country Zip Code

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OMB 0651-0027

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U.S. Department of Commerce  
Patent and Trademark Office

PATENT

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## Pages

Enter the total number of pages of the attached conveyance document including any attachments.

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1

## Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

## Patent Application Number(s)

## Patent Number(s)


5271907		

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

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## Patent Cooperation Treaty (PCT)

Enter PCT application number  
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## Number of Properties

Enter the total number of properties involved.

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## Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

0.00

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## 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. Charges to deposit account are authorized, as indicated herein.

Sharon Kennedy

Name of Person Signing



Signature

SEP 15 1998

Date

Now Pat. 5,271,907

Patent Application Filed in  
the Name of the Contractor

## CONFIRMATORY LICENSE

Title: High Temperature Regenerable  
Hydrogen Sulfide Removal Agents  
Inventor(s): Robert J. Copeland  
Contract Number: DE-FG03-90ER80998  
Contractor: TDA Research, Inc.

DOE Docket No.: S-72,913 (RL-11236)  
Contractor Docket No.: TDA 1  
U.S. Patent Application: S.N.: 08/844,829  
Filing Date: March 3, 1992  
U.S. Patent Number: 5,271,907  
Issue Date: December 21, 1993

Foreign patent applications filed or intended to be filed at contractor's expense in  
(countries): None

The Contractor certifies that a true copy of the provisions which govern patent rights in  
"subject inventions" under the above-identified contract is herewith submitted or has  
been submitted to the U.S. Department of Energy by certification dated 2 June 1997.

WHEREAS, the above-identified contract provides the Contractor with the right to elect to  
retain title in certain inventions and the Contractor has reported the above-identified  
invention as a subject invention under the contract, has elected to retain title therein, and has  
agreed to file a domestic patent application thereon, if not previously filed.

ACCORDINGLY, the Contractor hereby confirms that under the provisions of the above-  
identified contract governing patent rights, it has granted to the Government a nonexclusive,  
nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of  
the United States the subject invention throughout the world. This license applies to the  
above-identified invention, the above-identified patent application(s), and any and all  
divisions or continuations thereof and any resulting patent or reissue patent which may be  
granted thereon.

The Government reserves for itself, and is hereby granted by the Contractor, the irrevocable  
power to inspect and make copies of the file wrapper(s) of the above-identified U.S. patent  
application and of any related or continuation patent application(s), whether domestic or  
foreign, for the above-identified invention.

It is understood and agreed that this instrument does not preclude the Government from  
asserting rights under the provisions of the above-identified contract or any other agreement  
between the Government and the Contractor, or any other rights of the Government with  
respect to the above-identified invention.

Signed on behalf of: TDA RESEARCH, INC.

(Contractor)

Witness: Jane B. Lode

(Signature)

By: Michael E. Karpuk, President 6/2/97

(Contractor Official's Signature)

(Date)

Jane B. Lode, Admin. Manager  
(Name and Title)

12345 West 52nd Avenue  
(Print/Type Contractor Official's Name and Title)

Wheat Ridge, CO 80033  
(Print/Type Contractor's Address)