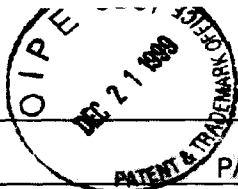


BOX ASSIGNMENTS



01-07-2000

DO NOT USE FOR TRADEMARKS



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REC PATEN

TO THE ASSISTANT COMMISSIONER OF PATENT AND TRADEMARKS... SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)): 1. Daniel W. DOLL 2. Reed J. BLAU 3. Gary K. LUND 4. 5. 6. 7. 8. ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? [] YES [X] NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST: NAME: CORDANT TECHNOLOGIES INC. ADDRESS: 15 West South Temple, Suite 1600, Salt Lake City, Utah 84101-1532

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? [] YES [X] NO

3. NATURE OF CONVEYANCE (DOCUMENT): (Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document) [X] ASSIGNMENT OF [X] WHOLE [] PART INTEREST [] ORIGINAL [] FACSIMILE/PHOTOCOPY [] CHANGE OF NAME [] VERIFIED TRANSLATION [] SECURITY [] MERGER [] OTHER: EXEC. DATE: December 13, 1999

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!)

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? [] YES [] NO

Table with 6 columns: A. PAT. APP. NO.(S) series code/serial no, M#, 1st INVENTOR if not in item 1, B. PATENT NO(S), M#, 1st INVENTOR if not in item 1. Row 1: 09/434,274, 264923, [], [], []

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed: Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005-3918

6. NUMBER INVOLVED: APPLNS 1 + PATS 0 = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581) ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT: PMS 264923 93-96-SE-05-DIV MATTER NO. CLIENT REF.

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975 UNDER ORDER NO 8496 264923 dup. sheet not required CLIENT NO. MATTER NO.

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.

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet) 3

Signature: Kendrew H. Colton Reg. No. 30,368 Date: December 21, 1999 Atty/Sec: KHC/AMP TEL: (202) 861-3606 FAX: (202) 822-0944

01/06/2000 DNGUYEN 00000229 09434274 FILE WITH PTO RETURN RECEIPT (PAT-103A) 40.00 DP

Please return signed/recoded to:
Phillips Mason & Buttrick LLP
Intellectual Property Group
1100 New York Avenue, NW
Ninth Floor
Washington, DC 20005-3918

Air. Pkt. PMS 237845 | 93-96-SE-06-ORD
MW | Client Ref

ASSIGNMENT
of U.S. Origin Patent Application
(to Corporation)
(or Limited Partnership)

WHEREAS, the undersigned, to wit:

- 1) Daniel W. DOLL
- 2) Reed J. BLAU
- 3) Gary K. LUND
- 4) _____

(hereinafter collectively ASSIGNOR), has/have made an invention known as Pkt. 93-96-SE-06-ORD
and entitled: METAL COMPLEXES FOR USE AS GAS GENERANTS
for which an application for Letters Patent of the United States

was executed over date herewith and is about to be filed in the United States Patent and Trademark Office;
 was filed on JULY 24, 1997, Appin. No. 08/899,599 ;

AND WHEREAS CORDANT TECHNOLOGIES INC. (hereinafter ASSIGNEE), a corporation
Limited Partnership duly organized and existing under the laws of the State of Delaware and having its
principal office and place of business at 15 West South Temple, Suite 1600, Salt Lake City, Utah 84101-1532,
desires to acquire an interest therein;




NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration,
the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign
and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title
and interest to the said invention in the United States and all foreign countries, as described in the aforesaid
application, and to the said application and to all continuations, divisions, reissues and substitutes of said
application, together with the right of priority under the International Convention for the Protection of Industrial
Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other
international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and
requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE,
its successors, assigns and legal representatives.

AND ASSIGNOR hereby agrees to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.

NOTE: The undersigned hereby authorizes Pillsbury Madison & Sutro LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

Executed on the date(s) below indicated.

<u>Signature</u>	<u>Date Signed</u>	<u>Witness</u>
1)  ✓ Name: Daniel W. POLI	12/13/99	Cris Lunn
2)  ✓ Name: Reed J. BLAU	12/13/99	Cris Lunn
3)  ✓ Name: Gary K. LUND	12/13/99	Cris Lunn
4) _____ Name:	_____	_____