

07-25-2000

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027



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

101412978

# RECORDATION FORM COVER SHEET PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

## Submission Type

☒ New

☐ Resubmission (Non-Recordation)  
Document ID#

☐ Correction of PTO Error  
Reel #  Frame #

☐ Corrective Document  
Reel #  Frame #

## Conveyance Type

☒ Assignment ☐ Security Agreement

☐ License ☐ Change of Name

☐ Merger ☐ Other

**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)

☐ Departmental File ☐ Secret File

## Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Execution Date  
Month Day Year  
06 21 00

Name (line 1) MACTEC Environmental Technologies Company, L.L.C.

Name (line 2)

## Second Party

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

## Receiving Party

☐ Mark if additional names of receiving parties attached

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 1) Industrie-Engineering GmbH

Name (line 2)

Address (line 1) Lilienthalstrasse 6

Address (line 2) D-72770 Reutlingen

Address (line 3)

GERMANY

City

State/Country

Zip Code

## Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

## FOR OFFICE USE ONLY

07/24/2000 MTHAI1 00000241 4886119

01 FC:581

1040.00 DP

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

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

**PATENT**  
**REEL: 010927 FRAME: 0736**

**Correspondent Name and Address**

Area Code and Telephone Number **303-689-9100**

Name **Gary D. Fields, Esq.**

Address (line 1) **Fields & Johnson, P.C.**

Address (line 2) **8480 East Orchard Road, Suite 5600**

Address (line 3) **Englewood, CO 80111**

Address (line 4)

**Pages**

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

# **3**

**Application Number(s) or Patent Number(s)**

☒ Mark if additional numbers attached

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)**

<b>4,886,119</b>	<b>4,950,394</b>	<b>5,095,975</b>
<b>4,892,688</b>	<b>5,071,550</b>	<b>5,116,163</b>
<b>4,943,305</b>	<b>5,082,053</b>	<b>5,143,606</b>

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

**Patent Cooperation Treaty (PCT)**

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

PCT		PCT		PCT	
PCT		PCT		PCT	

**Number of Properties**

Enter the total number of properties involved.

# **26**

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ **1,040.00**

Method of Payment:  
Deposit Account

Enclosed ☒ Deposit Account ☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# **06-0778**

Authorization to charge additional fees:

Yes ☒ No ☐

**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.*

**Gary D. Fields**

Name of Person Signing

*Gary D. Fields*  
Signature

**23 June 2000**  
Date

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

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

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Application Number(s) or Patent Number(s)

☒ Mark if additional numbers attached

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

Patent Application Number(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Patent Number(s)

5,143,607	5,281,333	5,346,330
5,147,535	5,318,698	5,348,420
5,171,103	5,322,128	5,375,478
5,171,104	5,345,655	5,380,126
5,220,958	5,345,820	5,403,476

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

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

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Application Number(s) or Patent Number(s)

☒ Mark if additional numbers attached

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

Patent Application Number(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Patent Number(s)

5,435,914	<input type="text"/>	<input type="text"/>
5,468,097	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

## ASSIGNMENT OF LETTERS PATENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged,

Assignor: MACTEC Environmental Technologies Company, L.L.C.  
1819 Denver West Drive, Suite 400  
Golden, Colorado 80401

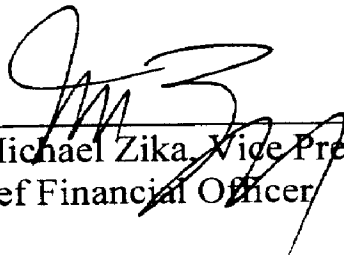
hereby assigns and transfers to:

Assignee: Industrie-Engineering GmbH  
Lilienthalstrasse 6  
D-72770 Reutlingen, Germany

and the successors, assigns and legal representatives of the Assignee the entire right, title and interest in and to United States Patents and Patent Applications listed on the attached Schedule A effective, May 1, 2000. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue prolongation or extension thereof.

IN WITNESS WHEREOF, Assignor has hereunto executed this document this 21<sup>ST</sup> day of June, 2000.

By: MACTEC, Inc., the Sole Member of  
MACTEC Environmental Technologies  
Company, L.L.C.

  
\_\_\_\_\_  
J. Michael Zika, Vice President &  
Chief Financial Officer

Date: JUNE 21, 2000

**Schedule A**  
**United States Patents**

<u>Patent No.</u>	<u>Issue Date</u>	<u>Title</u>
4,886,119	12/12/89	Method of and Arrangement for Driving Volatile Impurities from Ground
4,892,688	01/09/90	Arrangement for Expelling Light Volatile Contaminants from Liquids
4,943,305	07/24/90	Aerating Apparatus for Expelling Volatile Impurities from Ground Water
4,950,394	08/21/90	Arrangement for Driving Out Volatile Impurities from Ground Water
5,071,550	12/10/91	Apparatus for Cleaning and Aeration of Open Bodies of Water
5,082,053	01/21/92	Arrangement for Cleaning Contaminated Ground Water
5,095,975	03/17/92	Arrangement for Driving Volatile Impurities from Ground Water
5,116,163	05/26/92	Arrangement for Driving Out Volatile Impurities from Ground Water
5,143,606	09/01/92	Arrangement for Cleaning Contaminated Ground Water
5,143,607	09/01/92	Arrangement for Driving Out Volatile Impurities from Ground Water
5,147,535	09/15/92	Arrangement for Driving Out of Volatile Impurities from Ground Water Using Vibrations
5,171,103	12/15/92	Arrangement for Expelling Highly Volatile Impurities from Ground Water
5,171,104	12/15/92	Arrangement for Treating Gas from Contaminated Ground Region
5,220,958	06/22/93	Arrangement for Driving Out of Impurities from Ground Water
5,281,333	01/25/94	Arrangement for Cleaning Ground Water
5,318,698	06/07/94	Arrangement for Cleaning Contaminated Ground Water
5,322,128	06/21/94	Method of Forming Well Regions
5,345,655	09/13/94	Method of and Arrangement for Obtaining Liquids and/or Gases from Ground or Rock Layers
5,345,820	09/13/94	Method of and Arrangement for Determining Geohydraulic Permeability of Ground Regions Through Which Ground Water Flows

<u>Patent No.</u>	<u>Issue Date</u>	<u>Title</u>
5,346,330	09/13/94	Method of Yielding Oil Residues or Oil Containing Liquids from Contaminated Ground Layers
5,348,420	09/20/94	Method and Arrangement for Influencing Liquid in Ground
5,375,478	12/27/94	Test Taking Arrangement
5,380,126	01/10/95	Method of and Arrangement for Rinsing Out Impurities from Ground
5,403,476	04/04/95	Arrangement for Removing Impurities from Ground Water
5,435,914	07/25/95	Clarifying Arrangement for Waste Water
5,468,097	11/21/95	Method of Circulating Ground Water in Ground Regions with a Fall of Ground Water Level

KAB/st