

10-03-2003

REC



SHEET

FORM PTO-1595 U.S. (modified)

102565848

DEPARTMENT OF COMMERCE
Patent and Trademark Office

10-1-03

Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Mohammad Abu-Orf 1901 W. Garden Road, Vineland, NJ 08360</p> <p>Banu Ormeci 804 East Oak Drive, Durham, NC 27705</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment (Copy) <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: September 23, 2003 and September 26, 2003</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: Duke University c/o Office of Science and Technology M454 Davison Building DUMC Durham, NC 27710</p> <p>USFilter Engineering & Construction, Inc. Airside Business Park 250 Airside Drive Moon Township, PA 15108</p> <p>Street Address:</p> <p>Additional name(s) & addresses(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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4. Application number(s) or patent number(s): 10/461,276

If this document is being filed together with a new application, the execution date of the application is

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? Yes No

2003 OCT -1 AM 8:30
 OPS/FINANCE

<p>5. Name and address of party to whom correspondence Concerning document should be mailed:</p> <p>Name: Peter C. Lando Address: Lowrie, Lando & Anastasi, LLP Riverfront Office Park One Main Street, 11th Floor Cambridge, MA 02142</p>	<p>6. Total number of applications and patents involved: [1]</p> <p>7. Total fee (37 CFR 3.41) \$ 40.00</p> <p><input type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>The Commissioner is authorized to charge any deficiencies in the enclosed payment to:</p> <p>8. Deposit Account No: 50/0214</p>
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DO NOT USE THIS SPACE

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.

Elias Domingo		September 29, 2003
Name of Person Signing	Signature	Date

Total number of pages including cover sheet, attachments, and document: [5]

10/02/2003 LMELLER 00000101 500214 10461276
01 Fee 0021 40.00 BA

COPY

ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, we, the undersigned Mohammad Abu-Orf, 1901 W. Garden Road, Vineland, NJ 08360 and Banu Ormeci, 804 East Oak Drive, Durham, NC 27705 hereby:

Sell, assign and transfer to Duke University, in care of Office of Science and Technology, M454 Davison Building, DUMC, Durham, NC 27710 and USFilter Engineering & Construction, Inc., a subsidiary of United States Filter Corporation, having a place of business at Airside Business Park, 250 Airside Drive, Moon Township, PA 15108, its successors, assigns and legal representatives, all hereinafter referred to as the Assignees, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on June 13, 2003 under Application Serial No. 10/461,276 and entitled SYSTEMS AND METHODS FOR WATER AND WASTEWATER SLUDGE TREATMENT USING FLOC OR NETWORK STRENGTH, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority;


Agree that said Assignees may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignees, we agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignees all facts known to us relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignees shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignees;

Request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignees; and

Covenant with said Assignees that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

9-23-03

Date



Mohammad Abu-Orf

COPY

STATE OF New Jersey :
COUNTY OF Camden :

Subscribed and sworn to before me this 23rd day of September.

SEAL

Catherine Guzik
Catherine Guzik Notary Public

My Commission Expires January 15, 2007

Date

Banu Ormeci

STATE OF _____ :
COUNTY OF _____ :

Subscribed and sworn to before me this _____ day of _____.

SEAL

Notary Public

My Commission Expires _____

COPY

ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, we, the undersigned Mohammad Abu-Orf, 1901 W. Garden Road, Vineland, NJ 08360 and Banu Ormeci, 804 East Oak Drive, Durham, NC 27705 hereby:

~~Sell, assign and transfer to Duke University, in care of Office of Science and Technology, M454 Davison Building, DUMC, Durham, NC 27710 and USFilter Engineering & Construction, Inc., a subsidiary of United States Filter Corporation, having a place of business at Airside Business Park, 250 Airside Drive, Moon Township, PA 15108, its successors, assigns and legal representatives, all hereinafter referred to as the Assignees, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on June 13, 2003 under Application Serial No. 10/461,276 and entitled SYSTEMS AND METHODS FOR WATER AND WASTEWATER SLUDGE TREATMENT USING FLOC OR NETWORK STRENGTH, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority;~~

Agree that said Assignees may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignees, we agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignees all facts known to us relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignees shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignees;

Request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignees; and

Covenant with said Assignees that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

Date

Mohammad Abu-Orf

COPY

STATE OF _____ :
COUNTY OF _____ :

Subscribed and sworn to before me this _____ day of _____.

SEAL

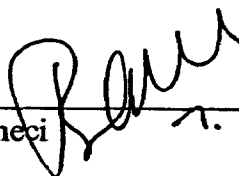
Notary Public

My Commission Expires _____

September 26, 2003

Date

Banu Ormeci



STATE OF North Carolina :
COUNTY OF Durham :

Subscribed and sworn to before me this 26th day of September, 2003.

SEAL

Jayce W. Meewester
Notary Public

My Commission Expires 12/21/07

SUPPLEMENTAL APPLICATION DATA SHEET

Application Information

Application Type:: Regular
Subject Matter:: Utility
Title:: SYSTEMS AND METHODS FOR WATER
AND WASTEWATER SLUDGE TREATMENT
USING FLOC OR NETWORK STRENGTH
Serial No.:: 10/461,276
Attorney Docket Number:: S01364.70037.US
Request for Early Publication?:: No
Request for Non-Publication?: No
Suggested Drawing Figure:: FIG. 5
Total Drawing Sheets:: 11
Small Entity?:: No
Petition included:: No
Petition Type::
Licensed US Govt. Agency:: No
Contract or Grant Numbers::
Secrecy Order in Patent Appl.?:: No

Applicant Information

Applicant Authority Type:: Inventor
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Country of mailing address:: USA
Postal or Zip Code of mailing address:: 08360

Applicant Information

Applicant Authority Type:: Inventor
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Middle Name::
Family Name:: ORMECI
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State or Province of mailing address:: North Carolina
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Correspondence Information

Correspondence Customer Number:: 37462
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Fax Number:: (617) 395-7070

Representative Information

Representative Customer Number::	37462
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Domestic Priority Information

Application::	Continuity Type::	Parent Application::	Parent Filing Date::
This application is	An application claiming the benefit under 35 USC 119(e)	60/389,039	06/14/02

Assignee Information

Assignee name:: Duke University
c/o Office of Science and Technology
Street of mailing address:: M454 Davison Building
DUMC
City of mailing address:: Durham
State or Province of mailing address:: North Carolina
Postal or Zip Code of mailing address:: 27710

Assignee name:: USFilter Engineering & Construction, Inc.
Street of mailing address:: Airside Business Park
250 Airside Drive
City of mailing address:: Moon Township
State or Province of mailing address:: Pennsylvania
Postal or Zip Code of mailing address:: 15108