

DOCKET NO. K0476/7000  
(FORMERLY M0993/7000)

### RECORDATION FORM COVER SHEET PATENTS ONLY

FORM PTO-1595 U.S.  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)

DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Commissioner for Patents : Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): <b>Mega Systems &amp; Chemicals, Inc.</b></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>3. Nature of conveyance:</p> <p><input type="checkbox"/> Assignment                      <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement            <input checked="" type="checkbox"/> Change of Name  <input type="checkbox"/> Other _____</p> <p>Execution Date: November 14, 2000</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: <b>Kinetics Chempure Systems, Inc.</b></p> <p>Internal Address: <b>1320 West Auto Drive</b></p> <p>Street Address:  <b>Tempe, Arizona 85284</b></p> <p>Additional name(s) &amp; 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):

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)  
**6,109,778**

Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence Concerning document should be mailed:</p> <p>Name: <b>Lisa E. Winsor</b>  Address: <b>LOWRIE, LANDO &amp; ANASTASI, LLP</b>  <b>One Main Street</b>  <b>Cambridge, MA 02142</b></p>	<p>6. Total number of applications and patents involved: <b>[1]</b></p> <p>7. Total fee (37 CFR 3.41)                      <b>\$40.00</b></p> <p><input type="checkbox"/> Enclosed  <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: 502762</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.*

Lisa E. Winsor		September 23, 2004
Name of Person Signing	Signature	Date

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

Mail documents to be recorded with required cover sheet information to (modify as appropriate):  
**Box Assignment**  
Director - U.S. Patent and Trademark Office (when filed separately from a new application)  
Commissioner of Patents (when filed with a new application)  
PO Box 1450, Alexandria, VA 22313-1450

**PATENT**

**REEL: 015167 FRAME: 0406**

CH \$40.00 502762 6109778

AZ. CORP. COMMISSION  
FILED

DEC 08 2000

APPR. STDS NTRIC  
FORM  
DATE 12-08-00

ARTICLES OF AMENDMENT

OF

KINETICS CHEMPURE SYSTEMS, INC. (0802943-6)  
(former name: Mega Systems & Chemicals, Inc.)

ARTICLES OF AMENDMENT  
OF

MEGA SYSTEMS & CHEMICALS, INC.

- 1. The name of the corporation is Mega Systems & Chemicals Inc..
- 2. Attached hereto as Exhibit A is the text of each amendment adopted.
- 3.  The amendment does not provide for an exchange, reclassification or cancellation of issued shares.

Exhibit A contains provisions for implementing the exchange, reclassification or cancellation of issued shares provided for therein.

The amendment provides for exchange, reclassification or cancellation of issued shares. Such actions will be implemented as follows:

- 4. The amendment was adopted the 1st day of September, 2000.
- 5. The amendment was adopted by the board of directors without shareholder action and shareholder action was not required.

DATED as of this 14th day of November, 2000.

MEGA SYSTEMS & CHEMICAL, INC.

By   
John Goodman, Vice-President

**EXHIBIT A**

**AMENDMENT**

Amending the current name of the corporation, Mega Systems & Chemical, Inc. to Kinetics Chempure Systems, Inc. *et al.*

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9/20/04 12:09

PAGE 007/008

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**AFFIDAVIT OF PUBLICATION  
for Corporation Commission**

**Arizona Capitol Times**

P.O. Box 2260 Phoenix, AZ 85002  
Phone: (602) 258-7026 / Fax: (602) 258-2504

STATE OF ARIZONA  
County of Maricopa

I, DIANA CREIGHTON, am authorized by the publisher as agent to make this affidavit of publication. Under oath, I state that the following is true and correct.

The ARIZONA CAPITOL TIMES, is a newspaper which is published weekly, is of general circulation and is in compliance with Arizona Revised Statutes §§ 10-140.24 & 39-201.A & B. The notice will be/has been published three (3) consecutive times in the newspaper listed above.

**DATES OF PUBLICATION:**

- 1) December 21, 2001
- 2) December 28, 2001
- 3) January 4, 2002

THE NAME OF THE CORPORATION: MEGA SYSTEMS & CHEMICALS, INC.  
changing name to  
KINETICS CHEMPURE SYSTEMS, INC.

CORPORATE FILE NUMBER: 0802943-6

TYPE OF DOCUMENT: Articles of Amendment  
(EXAMPLE: Merger between party a and party b; name change known; foreign authority with a fictitious name; articles of incorporation; application for authority; articles of organization; amendment, etc.)

AUTHORIZED SIGNATURE:

*Diana Creighton*

12-27  
25  
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SUBSCRIBED AND SWORN TO BEFORE ME  
ON THE 21st of December, 2001.

NOTARY SIGNATURE:

*Laura M. Kavinski*

ARIZONA CORP. COMMISSION  
CORPORATIONS DIVISION





Date September 23, 2004

Number of pages (including cover): 6

**F A X C O V E R**

\*\*\*\*\*OFFICIAL FAX\*\*\*\*\*

To Assignment Recordation Services  
Company United States Patent and Trademark Office  
Patent No.: 6,109,778  
Entitled: APPARATUS FOR HOMOGENEOUS MIXING OF A SOLUTION WITH TANGENTIAL JET OUTLETS  
Fax 703.306.5995  
From Lisa E. Winsor  
Direct dial 617-395-7013  
Our File # K0476-7000

**CERTIFICATE OF FACSIMILE TRANSMISSION 37 C.F.R. § 1.8(a)**

The undersigned hereby certifies that this document is being transmitted via facsimile to the attention of Assignment Recordation Services, Director of the United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, in accordance with 37 C.F.R. § 1.6(d), on the 23<sup>rd</sup> day of September, 2004.

*Nancy G. Kelly*  
Nancy G. Kelly

ORIGINAL DOCUMENTS WILL NOT BE MAILED.

**Message:** Transmitted herewith are an Assignment Recordation Cover Sheet and Name Change.

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RECORDED: 09/23/2004

PATENT REEL: 015167 FRAME: 0411