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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

Michael D. Ackerson  
Michael Steven Byars

Execution Date(s) April 20, 2005

Additional name(s) of conveying party(ies) attached?  Yes  No

**3. Nature of conveyance:**

- Assignment  Merger
- Security Agreement  Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: Process Dynamics, Inc.

Internal Address: \_\_\_\_\_

Street Address: 2434 Deane Solomon Rd

City: Fayetteville

State: AR

Country: US Zip: 72704

Additional name(s) & address(es) attached?  Yes  No

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)

11/089477

B. Patent No.(s)

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Brandi N. Waters

Internal Address: Process Dynamics, Inc.

Street Address: 2434 Deane Solomon Rd

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State: AR Zip: 72704

Phone Number: (479) 527-3905

Fax Number: (479) 527-3903

Email Address: brandi.waters@processdyn.com

**6. Total number of applications and patents involved:**

1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

Brandi N. Waters  
Signature

April 20, 2005  
Date

Brandi N. Waters  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 2

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment/Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

04/27/2005 EQUIPER 00000070 11089477  
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PATENT APPLICATION ASSIGNMENT

WHEREAS, we, **Michael D. Ackerson**, having a correspondence address of 3241 Nottingham, Fayetteville, Arkansas 72701; and **Michael Steven Byars**, having a correspondence address of 2642 E. Golden Oaks Drive, Fayetteville, Arkansas 72701; have invented new and useful improvements for

**CONTROL SYSTEM METHOD AND APPARATUS FOR CONTINUOUS LIQUID PHASE HYDROPROCESSING**

for which application is being made for Letters Patent, said application being executed by me on the date of March 24, 2005 and assigned the Application Number 11/089,477, which is a continuation in part of U.S. Patent Application Number 11/007,846, filed December 9, 2004, which is a continuation-in-part of U.S. Patent Application Number 10/162,310, filed June 3, 2002, now U.S. Patent Number 6,881,326 which is a continuation of U.S. Patent Application Number 09/599,913, filed June 22, 2000, now U.S. Patent Number 6,428,686, which is a continuation of U.S. Patent Application Number 09/104,079, filed June 24, 1998, now U.S. Patent Number 6,123,835, which claims the benefit of U.S. Provisional Application Number 60/050,599, filed June 24, 1997, and further being identified by Attorney Docket Number 013457.

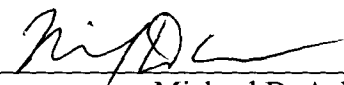
WHEREAS, **PROCESS DYNAMICS, INC.**, a corporation of the State of Arkansas, having a correspondence address at 2434 Deane Solomon Road, Fayetteville, Arkansas 72704, is desirous of acquiring our entire right, title and interest in said application and our Letters Patent which may issue thereon:

NOW THEREFORE, be it known by all whom it may concern that for and in consideration of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and other good and valuable consideration, we hereby assign to said corporation for the territory of the United States of America and the entire world our entire right, title and interest in and to said invention, patent application and any patent which may issue thereon, including all priority rights for patent applications foreign to the United States of America.

WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of said corporation, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention, applications and patents, and we authorize the Commissioner of Patents and Trademarks to issue Letters Patent to said corporation.

IN TESTIMONY WHEREOF, we execute this Assignment.

4/20/05  
Date

  
\_\_\_\_\_  
Michael D. Ackerson

4/20/05  
Date

  
\_\_\_\_\_  
Michael Steven Byars