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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): <b>Kurt M. Vanden Bussche</b> <b>Suheil F. Abdo</b> <b>Volker Hessel</b> <b>Holger Lowe</b> <b>Steffen Hardt</b> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies) Name: <b>UOP LLC</b> Internal Address: _____ _____ _____ Street Address: <b>25 EAST ALGONQUIN ROAD</b> <b>P.O. BOX 5017</b> City: <b>DES PLAINES</b> State: <b>IL</b> Zip: <b>60017-5017</b> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ <b>5/2/01, 5/3/01, 5/16/01,</b> <b>5/15/01, 5/16/01</b> Execution Date: _____					
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>09/850,470</b> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <b>UOP LLC</b> Internal Address: <b>ATTN: JOHN G. TOLOMEI</b> _____ _____ Street Address: <b>25 EAST ALGONQUIN ROAD</b> <b>P.O. BOX 5017</b> City: <b>DES PLAINES</b> State: <b>IL</b> Zip: <b>60017-5017</b>			6. Total number of applications and patents involved: <b>1</b> 7. Total fee (37 CFR 3.41).....\$ <b>\$ 40.00</b> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <b>21-0600</b>		
DO NOT USE THIS SPACE					
9. Signature <b>Arthur E. Gooding</b> _____ Name of Person Signing  Signature <b>July 21, 2003</b> _____ Date					
Total number of pages including cover sheet, attachments, and documents: <b>6</b>					

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

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PATENT  
REEL: 013815 FRAME: 0133

**ASSIGNMENT - JOINT**☐ U.S. Provisional Application☒ U.S. Utility Patent Application

Attorney Docket No. 106073

WHEREAS, **KURT M. VANDEN BUSSCHE**, a citizen of BELGIUM, residing in the City of LAKE IN THE HILLS, in the County of MCHENRY and State of ILLINOIS, **SUHEIL F. ABDO**, a citizen of UNITED STATES OF AMERICA, residing in the City of LINCOLNSHIRE, in the County of LAKE and State of ILLINOIS, **VOLKER HESSEL**, a citizen of GERMANY, residing in the City of HÜNSTETTEN-WALLBACH, in the County of GERMANY, **HOLGER LÖWE**, a citizen of GERMANY, residing in the City of OPPENHEIM, in the Country of GERMANY, and **STEFFEN HARDT**, a citizen of GERMANY, residing in the City of MAINZ, in the Country of GERMANY, and hereinafter referred to as "the inventors" have invented certain new and useful improvements in

**STATIC MIXER AND PROCESS FOR MIXING AT LEAST TWO FLUIDS;**

for which inventors are about to file an application for Letters Patent of the United States, bearing docket number 106073; and

WHEREAS, UOP LLC, a company organized and existing under the laws of the State of Delaware having a principal place of business at Des Plaines, Illinois, U.S.A., and INSTITUT FÜR MIKROTECHNIK MAINZ GMBH, a non-profit research organization owned by the State of Rheinland-Pfalz and organized and existing under the laws of GERMANY, having its principal office and place of business in the City of MAINZ, are each desirous of acquiring the entire right, title and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto; said UOP LLC and said INSTITUT FÜR MIKROTECHNIK MAINZ GMBH, herein referred to as Joint Owners, each acquiring an undivided one-half (1/2) interest in and to the property transferred hereunder with rights in accord with the agreement between said UOP LLC (as successor to UOP) and said INSTITUT FÜR MIKROTECHNIK MAINZ GMBH, dated March 10, 2000.

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, said inventors have sold, assigned, transferred and set over, and by these present do hereby sell, assign, transfer and set over, unto the said Joint Owners, their successors, legal representatives, and assigns, our entire right, title and interest in, to and under the said invention, and the said application, and all divisional renewal substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention in appropriate

Application No. 09/850 470 filed 5-7-01

Atty. Docket # 106073

**PATENT**  
(Rev. 03-21-00)  
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registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof; and the inventors hereby authorize and request the Commissioner of Patents and Trademark of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said Joint Owners, their successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND THE INVENTORS HEREBY further covenant and agree that they will communicate to said Joint Owners, their successors, legal representatives and assigns, any fact known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declaration and/or oaths and generally do everything possible to aid the said Joint Owners, their successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, the inventors have set their signatures hereunto on the date specified below.

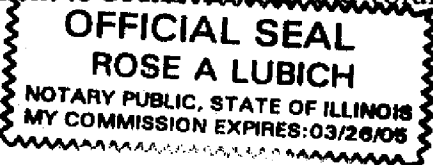
Kurt Vanden Bussche  
KURT VANDEN BUSSCHE

May 2, 2001  
Date

April 20, 2001  
Date Executed  
Application for Letters Patent

State of Illinois  
County of Cook

Before me, on this day, May 2, 2001, personally appeared **KURT M. VANDEN BUSSCHE**, to me personally known, who duly acknowledged the foregoing instrument to be his/her free and voluntary act and deed for the purposes therein expressed.

SEAL  
  
OFFICIAL SEAL  
ROSE A LUBICH  
NOTARY PUBLIC, STATE OF ILLINOIS  
MY COMMISSION EXPIRES: 03/26/06

Rose A. Lubich  
Notary Public

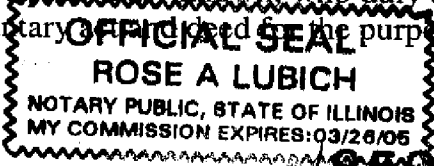
Suheil F. Abdo  
SUHEIL F. ABDO

May 3, 2001  
Date

April 24, 2001  
Date Executed  
Application for Letters Patent

State of Illinois  
County of Cook

Before me, on this day, May 3, 2001, personally appeared **SUHEIL F. ABDO**, to me personally known, who duly acknowledged the foregoing instrument to be his/her free and voluntary act and deed for the purposes therein expressed.

SEAL  
  
OFFICIAL SEAL  
ROSE A LUBICH  
NOTARY PUBLIC, STATE OF ILLINOIS  
MY COMMISSION EXPIRES: 03/26/06

Rose A. Lubich

Application No. 09/850 470 filed 5-7-01

SEAL

Notary Public

Volker Hessel

VOLKER HESSEL

16.05.01

Date

4-20-01

Date Executed

Application for Letters Patent

Before me, on this day, 16.05.01, personally appeared **VOLKER HESSEL**, to me personally known, who duly acknowledged the foregoing instrument to be his/her free and voluntary act and deed for the purposes therein expressed.

WITNESS: Christoph Knobloch  
Printed Name

Christoph Knobloch

Signature

ADDRESS: Karmeliterplatz 4

55116 MainzGermanyHolger Löwe

HOLGER LÖWE

15.05.01

Date

4-21-01

Date Executed

Application for Letters Patent

Before me, on this day, 15.05.01, personally appeared **HOLGER LÖWE**, to me personally known, who duly acknowledged the foregoing instrument to be his/her free and voluntary act and deed for the purposes therein expressed.

WITNESS: Christoph Knobloch  
Printed Name

Christoph Knobloch

Signature

ADDRESS: Karmeliterplatz 4,

55116 Germany, Mainz

Application No.

09/850 470

filed

5-7-01

Atty. Docket # 106073

PATENT (Rev. 03-21-00)

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GermanySt. Hardt  
STEFFEN HARDT16.05.01  
Date4-23-01  
Date Executed  
Application for Letters Patent

Before me, on this day, 16.05.01, personally appeared **STEFFEN HARDT**, to me personally known, who duly acknowledged the foregoing instrument to be his/her free and voluntary act and deed for the purposes therein expressed.

WITNESS: Christoph Knobloch  
Printed NameChristoph Knobloch  
SignatureADDRESS: Karmeliterplatz 4  
55116 Mainz  
GermanyApplication No. 09/850 470 filed 5-7-01