

FORM PTO-1595

(Rev. 6-93)

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

OMB No. 0651-0011 (exp. 4/94)

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

IVAR M. DAHL
ARNE KARLSSON
DUNCAN E. AKPORIAYE
KURT M. VANDEN BUSSCHE
GAVIN P. TOWLER

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

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

Name: UOP LLC

Internal address:

Street Address: 25 EAST ALGONQUIN ROAD
P.O. BOX 5017

City: DES PLAINES State: ILLINOIS Zip: 60017-5017

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

3. Nature of conveyance:

☒ Assignment Merger
Security Agreement Change of Name
Other _____

Execution Date: 8/11/99, 8/11/99, 8/11/99, 12/7/99, 12/8/99

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)

09/464,171

B. Patent No.(s)

Additional numbers attached? Yes ☒ No

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

Name: UOP LLC
Internal address: ATTN: JOHN G. TOLOMEI

Street Address: 25 EAST ALGONQUIN ROAD
P.O. BOX 5017
City: DES PLAINES State: ILLINOIS Zip: 60017-5017

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00
Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number:

21-0600

(Attach duplicate copy of this page if paying by deposit account)

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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.

MARYANN MAAS

Name of Person Signing



Signature

7 SEPT. 2001

Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

700007314

PATENT
REEL: 011936 FRAME: 0318

ASSIGNMENT

☐ U.S. Provisional Application☒ U.S. Utility Patent ApplicationAttorney Docket No. 104194

WHEREAS, IVAR M. DAHL, a citizen of NORWAY, residing in the City of OSLO, NORWAY; ARNE KARLSSON, a citizen of SWEDEN, residing in the City of OSLO, NORWAY; DUNCAN E. AKPORIAYE, a citizen of THE UNITED KINGDOM residing in the City of OSLO, NORWAY; 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; and GAVIN P. TOWLER, a citizen of THE UNITED KINGDOM, residing in the City of BARRINGTON, in the County of LAKE, and State of ILLINOIS; hereinafter referred to as "the inventors" have invented certain new and useful improvements in

COMBINATORIAL CATALYTIC REACTOR

WHEREAS, the inventors hereby authorize and request their attorney/agent of record to have inserted on each page (where indicated below) the filing date and application number of said application when known; 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, is desirous of acquiring an interest in and to said application, the inventions disclosed therein, and the Letters Patent of the United States that may be issued thereon.

NOW, THEREFORE in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations the receipt of which is hereby acknowledged, said inventors do hereby transfer, set over and assign unto said UOP LLC, its successors and assigns, the entire right, title and interest in, to and under said application; the invention(s) covered thereby; any and all resultant patent or patents thereon; any renewals, reissues, extensions, reexaminations, substitutions, continuations, or divisions thereof, and all foreign rights thereunder including all rights to claim any priority in and to the inventions disclosed therein. Inventors hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said UOP LLC, its successors and assigns.

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

Serial No. 09/464 171 filed 12-15-99

Atty. Docket No. 104194

PATENT Page 1 of 3

REEL: 011936 FRAME: 0319

Ivar M Dahl
Signature of IVAR M. DAHL

08-11-99
Date

08-11-99
Date Executed
Application for Letters Patent

Before me on this date 08-11-1999 personally appeared IVAR M. DAHL,
to me personally known, who duly acknowledged the foregoing instrument to be his free and voluntary act
and deed for the purposes therein expressed.

WITNESS:

GERD S. HAEGH

Printed Name

Gerda S. Haegh

Signature

ADDRESS:

Belseth. 25N-1348 RYKKINNNORWAY

Arne Karlsson
Signature of ARNE KARLSSON

08-11-99
Date

08-11-99
Date Executed
Application for Letters Patent

Before me on this date 08-11-1999 personally appeared ARNE KARLSSON,
to me personally known, who duly acknowledged the foregoing instrument to be his free and voluntary act
and deed for the purposes therein expressed.

WITNESS:

GERD S. HAEGH

Printed Name

Gerda S. Haegh

Signature

ADDRESS:

Belseth. 25N-1348 RYKKINNNORWAY

Serial No.

09/464 171

filed

12-15-99

Atty. Docket No. 104194

PATENT Page 2 of 3

REEL: 011936 FRAME: 0320

[Signature]
Signature of DUNCAN E. AKPORIAYE

08-11-1999
Date

08-11-1999
Date Executed
Application for Letters Patent

Before me on this date 08-11-1999 personally appeared DUNCAN E. AKPORIAYE, to me personally known, who duly acknowledged the foregoing instrument to be his free and voluntary act and deed for the purposes therein expressed.

WITNESS:

GERD S. HAEGH

Printed Name

[Signature]
Signature

ADDRESS:

Belslev. 25
N-1348 RYKKINN
NORWAY

Kurt M. Vandenburg
Signature of KURT M. VANDEN BUSSCHE

Dec 7, 99
Date

Dec 7, 99
Date Executed
Application for Letters Patent

State of Illinois
County of Cook

Before me, on this day, 12/7/99, 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



[Signature]

Notary Public

[Signature]
Signature of GAVIN P. TOWLER

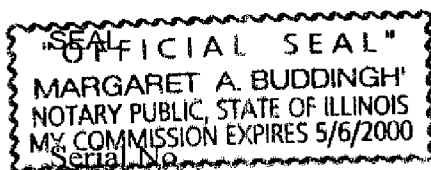
12/8/99
Date

12/8/99
Date Executed
Application for Letters Patent

State of Illinois
County of Cook

Before me, on this day, 12/8/99, personally appeared GAVIN P. TOWLER, 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.

[Signature]
Notary Public



09/464 171

filed

12-15-99