

05-17-1999

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Patent and Trademark Office

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

1. Name of conveying party(ies):

Raschig AG

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ Other _____

Execution Date: March 31, 1999

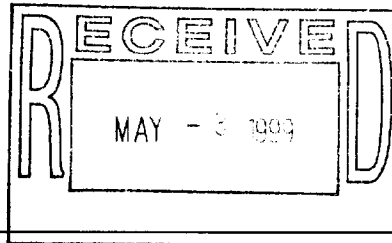
2. Name and address of receiving party(ies):

Name: Raschig GmbH

Street Address: Mundenheimer Straße 100

D-67061 Ludwigshafen/Rhein, GERMANY

Additional name(s) and address(es) attached?

☐ Yes ☒ No

4. Application number(s) or Patent number(s):

If this document is being filed together with a new application:

A. Patent Application No.(s) B.

Patent No.(s) 5,885,694

Date filed: March 23, 1999

Additional numbers attached? ☐ Yes ☒ No

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

DVORAK & ORUM
53 West Jackson Boulevard
Chicago, Illinois 606046. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41). \$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account☐ Payment submitted previously (See attached letter)

8. Deposit account number: 4-2219

(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.

Signature

Keith H. Orum
Name of Person SigningApril 23, 1999
DateTotal number of pages comprising cover sheet: 1

F3019 (Dvorak & Orum)

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C35563

USA

**U.S. PATENT
Assignment of Invention**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:

(inventor(s) or

person(s) or entity(ites)
who own the invention)Raschig AG
(Type or print name(s) of ASSIGNOR(S))Mundenheimer Straße 100.....
(Address)

D-67061 Ludwigshafen/Rhein, GERMANY

German.....
(Nationality)

(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)

Recorded on October 3, 1996.....

Reel 8507.....

Frame 0985.....

hereby sells, assigns and transfers to

ASSIGNEE:

Raschig GmbH
(Type or print name(s) of ASSIGNEE(S))Mundenheimer Straße 100.....
(Address)

D-67061 Ludwigshafen/Rhein, GERMANY

German.....
(Nationality)

and the successors, assigns and legal representatives of the ASSIGNEE

{✓} the entire right, title and interest

{ } an undivided percent (.%) interest

for the United States and its territorial possessions

{ } and in all foreign countries, including all rights to claim priority, in and to any
and all improvements which are disclosed in the invention entitled:

PACKING ELEMENT FOR MASS TRANSFER HEAT TRANSFER COLUMNS

and which is found in

- { } U.S. patent application executed on As the serial number is not yet available, attached hereto is a copy of the application as filed for identification purposes.
- { } U.S. application serial no., filed on
- { ✓ } U.S. patent no 5,885,694. issued March 23, 1999. .
- { } and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or an continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF,

31 March 1999

I/We have hereunto set hand and seal this

(Date of signing)

By: Raschig AG

Signature

Name

Michael Elster

Dr. Harald Beurich

Title

By: Raschig GmbH

Signature

Name

Birgit Kaschner

Christian Diehlmann

Title