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To the Honorable Commissioner of Patent  
Please record the attached original document.

1. Name of conveying party(ies)  
Wolfgang ARLT, Matthias SEILER,  
Carsten JORK, Thomas SCHNIEDER

2. Name and address of receiving party(ies)

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

3. Nature of conveyance:

/x/ Assignment // Merger  
// Security Agreement // Change of Name

Execution Date: 3/31/02

BASF Aktiengesellschaft  
Street Address: 67056 Ludwigshafen  
Germany

City: State: ZIP

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

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:

SEP 11 2003

A. Patent Application No.(s)

101471546

B. Patent No.(s)

Additional numbers attached? // Yes /X/ No

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

Name: Herbert B. Keil

Internal Address:

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1350 Connecticut Ave. N.W.

City: Washington State: D.C ZIP: 20036

6. Total number of applications and  
and patents involved: / 1 /

7. Total Fee(37 CFR 3.41).... \$ 40.00

8. Deposit Account 11-0345 if fee is  
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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.

Herbert B. Keil

Name of Person Signing

Signature

Sept 2, 2003

Date

Total number of pages 3

PATENT  
REEL: 015252 FRAME: 0937

## Assignment of Application

0050/053318

WHEREAS, I (WE)

*Wolfgang Arlt, Borgsdorfer Str. 2, 16540 Hohen Neuendorf, Germany*  
*Citizen of Germany*

*Matthias Seiler, Schlieperstr. 53, 13507 Berlin, Germany*  
*Citizen of Germany*

*Carsten Jork, Uhlandstr. 72, 10717 Berlin, Germany*  
*Citizen of Germany*

*Thomas Schneider, Friedrichsbergerstr. 1, 10243 Berlin, Germany*  
*Citizen of Germany*

respectively, have invented certain new and useful improvements in

IONIC LIQUIDS AS SELECTIVE ADDITIVES FOR SEPARATING CLOSE-  
BOILING OR AZEOTROPIC MIXTURES

for which an application for Letters Patent was executed on

(Application No. \_\_\_\_\_, filed \_\_\_\_\_), and

WHEREAS, *BASF Aktiengesellschaft (hereinafter referred to as "ASSIGNEE")*, having a place of business at *67056 Ludwigshafen, Germany*, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of Five Dollars (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

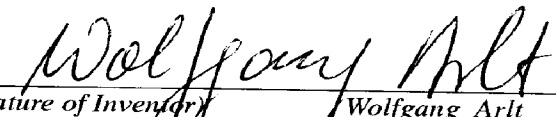
I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

FURTHER, I (WE) agree that I (WE) will communicate to said ASSIGNEE, or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of **Keil & Weinkauf**, 1101 Connecticut Ave., N. W., Washington, D. C. 20036 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

0050/053318

Date: 31. März 2002

  
(Signature of Inventor) Wolfgang Arlt

Date: 31. März 2002

  
(Signature of Inventor) Matthias Seiler

Date: 31. März 2002

  
(Signature of Inventor) Carsten Jork

Date: 31. März 2002

  
(Signature of Inventor) Thomas Schneider