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... attached original documents or copy thereof.

1. Name of conveying party(ies):

Michael HESSE  
Ulrich MUELLER

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

Name: 1) BASF Aktiengesellschaft and  
2) The Regents of the University of Michigan  
Address: 1) 67056 Ludwigshafen, Germany  
2) Ann Arbor, MI 48109-1280,  
United States of America

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

3. Nature of Conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: December 14, 2004

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

This document is being filed together with a new application

A. Patent Application No.(s)

10/983,629

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

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22850

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6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

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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.

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PATENT  
REEL: 016247 FRAME: 0441

## Assignment of Application

0000056029

WHEREAS, I (WE)

*Michael Hesse, Weinbietsstr.10, 67549 Worms , Germany*  
*Citizen of Germany*

*Ulrich Müller, Am Stecken 14a, 67435 Neustadt , Germany*  
*Citizen of Germany*

respectively, have invented certain new and useful improvements in

**Shaped bodies containing metal-organic frameworks**

for which an application for Letters Patent was executed on

(Application No. 10/983,629 , filed **November 9, 2004** ), and

WHEREAS, *BASF Aktiengesellschaft* (hereinafter referred to as "ASSIGNEE"), having a place of business at *67056 Ludwigshafen, Germany* and *The Regents of the University of Michigan* having a place of business at *Ann Arbor, MI 48109-1280, United States of America*, 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 **Oblon, Spivak, McClelland, Maier & Neustadt, P.C.**, 1940 Duke Street, Alexandria, Virginia 22314 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.

0000056029

Date: December 14, 2004

Signature of Inventor:   
Michael Hesse

Date: December 14, 2004

Signature of Inventor:   
Ulrich Müller