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1. Name of conveying party(ies)Markus HOELZLE, Michael Jolyon SPRAGUE, Klaus HARTH,
Martin SCHUESSLER, Martin KARL, Stefan BONEBERGAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) Nov. 13, 2001 and Nov. 21, 2001

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)BASF Aktiengesellschaft
67056 Ludwigshafen, Germany

and

XCELLSIS GmbH
Neue Str. 95
73230 Kirchheim/Nabern, GermanyAdditional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Jason D. Voight

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6. Total number of applications and patents involved: 1**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40**

- ☒ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Informationa. Credit Card Last 4 Numbers 1048
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9. Signature:*Jason D. Voight*
Signature

July 5, 2005

Date

Jason D. Voight

Name of Person Signing

Total number of pages including cover
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PATENT
REEL: 016753 FRAME: 0467112949 U.S. PTO
11/172880

070505

Assignment of Application

0050/052241

WHEREAS, I (WE)

Markus Hölzle, Weinstraße Süd 6h, 67281 Kirchheim, Germany
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Citizen of Great Britain

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Martin Karl, Gottlieb-Stoll-Str.25, 73272 Neidlingen, Germany
Citizen of Germany

Stefan Boneberg, Hohenneuffenstr.32, 72660 Beuren, Germany
Citizen of Germany

respectively, have invented certain new and useful improvements in

METHANOL REFORMING CATALYST HAVING A REDUCED VOLUME SHRINKAGE

for which an application for Letters Patent was executed on

(Application No. _____, filed _____), and

WHEREAS, *BASF Aktiengesellschaft, having a place of business at 67056 Ludwigshafen, Germany and XCELLSIS GmbH, having a place of business at Neue Str. 95, 73230 Kirchheim/Nabern, Germany (hereinafter referred to as "ASSIGNEES")*, are 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.

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0050/052241

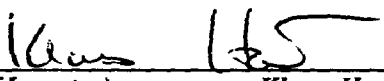
Date: November 21, 2001


(Signature of Inventor) Markus Hölzle

Date: November 21, 2001


(Signature of Inventor) Michael Jolyon Sprague

Date: November 21, 2001


(Signature of Inventor) Klaus Harth

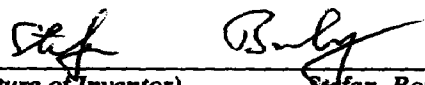
Date: November 13, 2001


(Signature of Inventor) Martin Schüßler

Date: November 13, 2001


(Signature of Inventor) Martin Karl

Date: November 13, 2001


(Signature of Inventor) Stefan Boneberg