

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	DIETER ARLT	12/04/2013
RECEIVING PARTY DATA		
Name:	UMICORE AG & CO. KG	
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14122594
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NAME OF SUBMITTER:	DENNIS C. RODGERS	
Signature:	/Dennis C. Rodgers/	
Date:	01/03/2014	
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif		

ASSIGNMENT

This assignment agreement is applicable to an invention entitled:  
LIGANDS AND CATALYST SYSTEMS FOR HYDROFORMYLATION PROCESSES

The PATENT PROPERTY referred to in this agreement is:  
(check one)

- a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.
- U.S. Patent Application Serial No. \_\_\_\_\_, filed \_\_\_\_\_(date).
- a U.S. Patent Application based on PCT International Application No. PCT/EP2012/059850 filed on 25 May 2012 (U.S. Application Serial No. \_\_\_\_\_, if known).
- U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_(date).

The PATENT PROPERTY also includes all divisions, reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT PROPERTY assigned under this agreement is:  
(check one)

- U.S. patent property only.
- Worldwide patent property. In this case, the ASSIGNEE shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The term ENTIRE PATENT RIGHTS identifies the following rights:  
the full and exclusive right to the invention;  
the entire right, title and interest in and to the PATENT PROPERTY;  
the right to sue and recover for any past infringement; and,  
the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.

The ASSIGNOR(S) referred to in this agreement is identified on page 2 of this Assignment.

The following ASSIGNEE is the recipient of the entire rights assigned herein:

**UMICORE AG & CO. KG**  
Rodenbacher Chaussee 4,  
D-63457 Hanau-Wolfgang, Germany

This ASSIGNEE is:

- (check one)
- An Individual.
  - A Partnership.
  - A Corporation/Entity of Germany (specify state or country)
  - (other)

Inventors-to-Assignee

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, hereby assign to the ASSIGNEE, its successors and assigns, the ENTIRE PATENT RIGHTS.

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the right, title and interest, for the use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Signature: Dieter ARLT

Date: 30. November 2013

Name: Dieter ARLT