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Form PTO-1595  
1-31-92

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SHEET

U.S. DEPARTMENT OF COMMERCE  
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ATTACHMENTS ONLY

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

1. Name of conveying party(ies): Giuseppe GUARINO and Ermanno FILIPPI 1-15-99 Additional name(s) of conveying party(ies) attached? yes                      XX - no		2. Name and address of receiving party(ies): Ammonia Casale SA Via Sorenco 7 6900 Lugano Besso, SWITZERLAND Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	
3. Nature of Conveyance <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Names <input type="checkbox"/> Other _____ Execution Date: December 15, 1998		1518 U.S. PTO 09/231791 01/16/99	
4. Application number(s) or patent number(s): Attorney Docket # - Q-52856 If this document is being filed together with a new application, the execution date of the application is December 15, 1998 A. Patent Application No.(s) 09/231,791                      Additional attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC 2100 Pennsylvania Avenue, N.W. Suite 800 Washington, D.C. 20037 3213		6. Total number of applications and registration involved: 1	
		7. Total Fee (37 CFR 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880 <input type="checkbox"/> Authorized to be charged to Deposit Account	
		8. Deposit Account No. 19-4880	
<b>DO NOT WRITE IN THIS SPACE</b>			
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			
01/28/1999 02 FC 581 Robert V. Sloan		40,00.00 Reg. No. 22,775 January 15, 1999 Date	
<b>TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2</b>			
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Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231			

PATENT  
REEL: 9723 FRAME: 0942

# Assignment

Whereas, I/We,

- 1) Giuseppe Guarino, Via Belsoggiorno, 6965 Cadro, Switzerland
- 2) Ermanno Filippi, Strada di Gandria 73, 6976 Castagrola, Switzerland

hereinafter called assignor(s), have invented certain improvements in

Method for in-situ modernization of a heterogeneous synthesis reactor

and executed an application for Letters Patent of the United States of America therefor on  
15 December, 19 98 ; and

Whereas,

Ammonia Casale SA, Via Sorengo 7, 6900 Lugano-Besso, Switzerland  
(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to  
any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its  
successors and assigns, the entire right, title and interest in the application and the invention disclosed  
therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and  
I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth  
in the application to the assignee, its successors and assigns; and I/we will execute without further  
consideration all papers deemed necessary by the assignee in connection with the United States application  
when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of  
2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application  
number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application  
number of said application when known.

Date: 15.12.1998 s/  Giuseppe Guarino

Date: 15.12.1998 s/  Ermanno Filippi

Date: s/ \_\_\_\_\_

Date: s/ \_\_\_\_\_

Date: s/ \_\_\_\_\_

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)