03-17-2003 Form **PTO-1595** U.S. DEPARTMENT OF COMMERCE EET (Rev. 03/01) 102391007 OMB No. 0651-0027 (exp. 5/31/2002) To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof 1. Name of conveying party(ies):2 2. Name and address of receiving party(ies) Tilo GODECKE Max-Planck-Gesellschaft zur Name: Frank ERNST Forderung der Wissenschaften Internal Address: Street Address: Additional name(s) of conveying party(ies) Hofgartenstr. 8 Yes x No attached? 3. Nature of Conveyance: x | Assignment Merger Security Agreement Change of Name City: 80539 Munchen Other State: Germany Additional name(s) & address(es) attached: December 19, 2002 and January **Execution Date:** 15, 2003 Application number(s) or patent number

Yes No FINANCE SECT If this document is being filed together with a new application, the execution date of the new application is: B. Patent No.(s): Additional numbers attached? Yes 6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41) 40.00

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A. Patent Application No.(s):

Name: James R. Crawford

10/311,716

To the best of my knowledge and belief, the foregoing information is true and carried and any attached copy is a true copy of the original document.

James R. Crawford Name of Person Signing

Signature

Total number of pages including cover sheet, attachments, and documents:

REEL: 013833 FRAME: 0526

Docket No. HUBRI240

ASSIGNMENT

WHEREAS the undersigned [hereinafter (collectively) "ASSIGNOR"] have invented certain new and useful improvements in

(Title of

Preparation of compounds based on phase equilibria of Cu-In-Se

Application)

for which an application for United States Letters Patent was executed concurrently herewith unless S.N. 10/311,716 otherwise indicated.

WHEREAS

RECORDED: 03/14/2003

Max-Planck-Gesellschaft zur

(Name and address

Förderung der Wissenschaften e.V.

Hofgartenstr. 8

of Assignce)

80539 München / Germany

German corporation (hereinafter "ASSIGNEE") is destrous of acquiring the entire right, title and interest in the same:

Now, therefore, in consideration of the sum of one dollar (\$1.00), the receipt whereof is hereby acknowledged, and other good and valuable consideration, the said ASSIGNOR hereby sells. assigns and transfers unto said ASSIGNEE, full and exclusive right to the said invention in the United States and all other 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 all other countries.

Said ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE, as the assignee of the entire right, title, and interest in and to the same, for the sole use and for the use of its successors, legal representatives, 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 said ASSIGNOR had this assignment and sale not been made.

Witness, the hand and seal of the ASSIGNOR on the date(s) indicated.

Date(s)	Signature(s)
19.12. 2002	J. 10 Sodocka
January 15, 2003	Tilo Gödecke Stand Emst Frank Ernst

FULBRIGHT & JAWORSKI L.L.P., 666 Fifth Avenue, New York, N. Y. 10103, USA 001-212-3163000

> PATENT REEL: 013833 FRAME: 0527