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Substitute Form PTO-1595 Attorney Docket No.: C6666/025001

Client's Fef. No.: 2823

Assistant Commissioner for Patents: Please record the attached original document(s) or copy(ies). 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): UNIVERSITY OF SOUTHERN CALIFORNIA Nicos A. Petasis 3716 South Hope Street, Suite 313 Additional name(s) attached? ☐ Yes 图 No Los Angeles, CA 90007-4344 3. Nature of conveyance: ☑ Assignment ☐ Merger □ Security Agreement ☐ Change of Name ☐ Other: Additional names/addresses attached?

Yes I No Execution Date: 01/05/2000 4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: B: Patent No(s).: A. Patent Application No(s).: 09/425,498 Additional numbers attached?

Yes

No 5. Name/address of party to whom correspondence concerning 6. Total number of applications/patents involved: 1 document should be mailed: SCOTT C. HARRIS 7. Total fee (37 CFR §3.41): \$40 Fish & Richardson P.C. ☑ Enclosed 4225 Executive Square, Suite 1400 ☐ Authorized to charge Deposit Account. La Jolla, CA 92037 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050. DO NOT USE THIS SPACE 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. Scott C. Harris Reg. No. 32,030 Name of Person Signing

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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Assistant Commissioner for

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January 18, 2000

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PATENT

Total number of pages including coversheet, attachments and document: 2

REEL: 010551 FRAME: 0987

P.02 2002

Attorney's Docket No.: 06666/025001/2823

ASSIGNMENT

For valuable consideration, I, NICOS A. PETASIS of Hacienda Heights, CA. hereby assign to UNIVERISTY OF SOUTHERN CALIFORNIA, a California corporation having a place of business at: 3716 South Hope Street, Suite 313, Los Angeles, CA 90007-4344, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me this day, entitled COMBINATORIAL APPROACH TO CHIRAL REAGENTS OR CATALYSTS HAVING AMINE OR AMINO ALCOHOL LIGANDS, filed October 22, 1999, and assigned U.S. Serial Number 09/425,498. and I authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treatics of like purposes, and I authorize the Assignze to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for me and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: 1-5-00

RECORDED: 01/24/2000

NICOS A. PETASIS

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