1039-03 OIPE	
RECORDAT 06-09-2003	
RECORDAT US-09-2000	
To the Honoral commissioner of Patents a. documents or copy thereof.	
1. Nan 3 of conveying party(ies): Michel Bulliard, Blandine Laboue and Sonia Roussiasse	2. Name and address of receiving party(ies): PPG-SIPSY, a corporation of France, Z.I. LaCroix- Cadeau, B.P. 79, F-49242 Avrille Cedex, France
Additional name(s) of conveying party(ies) attached? □Yes ■No	Additional name(s) and address(es) attached? ☐ Yes ■ No
3. Nature of conveyance:	Additional name(s) and address(es) attached:
■ Assignment □ Merger □ Security Agreement □ Change of Name □ Other	
Execution Date: March 11, 2003 4. Application number(s) or patent number(s):	
If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) 10/356,233 filed 01/31/03 B. Patent No.(s) Additional numbers attached? □ Yes ■ No	
5. Name and address of party to whom correspondence concerning	6. Total number of applications and patents involved: 1
document should be mailed:	7. Total fee (37 CFR 3.41) \$40.00
IP Department Piper Rudnick LLP 3400 Two Logan Square	■ Enclosed □ Authorized to be charged to deposit account
18 th and Arch Streets Philadelphia, PA 19103-2762	Deposit Account No. 50-1442 (Attach duplicate copy of this page if paying by deposit account)
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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	
T. Daniel Christenbury Name of Person Signing Signature Total nur	Date Date nber of pages including one cover sheet, attachments and document: 2

PATENT REEL: 014133 FRAME: 0492 WHEREAS, we, Michel Bulliard, Blandine Laboue and Sonia Roussiasse, citizens of France, residing at 87 rue Quinconce, F-49100 Angers, France, Basclot, F-49440 Angrie, France and Chemin de la Petite Amoirie, F-49000 Ecouflant, France, respectively, (hereinafter referred to as "the undersigned"), having made an invention entitled USE OF CHIRAL DIPHOSPHINES AS OPTICALLY ACTIVE LIGANDS for which on the date set forth below, unless otherwise indicated here, _______, the undersigned executed an application for United States Letters Patent,

WHEREAS, PPG-SIPSY, a corporation of France, with offices at Z.I. LaCroix-Cadeau, B.P. 79, F-49242 Avrillé Cedex, France, (hereinafter referred to as "assignee"), is desirous of acquiring the entire right, title and interest in said invention, said application and all letters patent issuing for said invention,

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good and valuable consideration, receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the assignee the entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including said patent application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the assignee, and to execute all instruments proper to carry out the intent of this instrument. If the undersigned includes more than one individual, these obligations shall apply to all of the undersigned both individually and collectively.

The rights and property herein conveyed by the undersigned are free and clear of any encumbrance.

EXECUTED on ______, 20___, at

____, ___, ...

Michel Bulliard

Blandine Laboue

Sonia Roussiasse

Na Muli Witness

RECORDED: 04/07/2003

PATENT REEL: 014133 FRAME: 0493