FORM PTO-1595 (Modified) (Rev. 6-93)

OMB No. 0651-0011 (exp.4/94) Copyright 1994-97 LegalStar

Name of Person Signing



101190377

Docket No.: PI-6982-A

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

P08/REV02 Tab settings -To the Honorable Commissioner of Patents and Trademarks: Please record the attached original plogyments or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Tse-Chong Wu Name: ALBEMARLE CORPORATION K. Pushpananda A. Senaratne Internal Address: ☐ Yes ☐ No Additional names(s) of conveying party(ies) Nature of conveyance: Street Address: 330 South Fourth Street ★ Assignment Merger Security Agreement ☐ Change of Name City: Richmond __ State: VA ZIP: 23219 ☐ Other Execution Date: July 24, 1998 Additional name(s) & address(es) attached?

Yes

No Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) U. S. Serial No. Filed: May 26, 1998 09/084,623 Additional numbers attached? ☐ Yes **⋈** No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Mr. Philip M. Pippenger 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal Address: Patent & Trademark Division ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account ALBEMARLE CORPORATION Authorized to be charged to deposit account Street Address: 451 Florida Street 8. Deposit account number: 01-0659; Order No. 99-177 ZIP: 70801 State: LA City: Baton Rouge DO NOT USE THIS SPACE 11/01/1999 JSHABAZZ 00000107 010659 09084623 40.00 CH 01 FC:581 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. October 26, 1999 Philip M. Pippenger

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

PATENT

Date

REEL: 010345 FRAME: 0468

ASSIGNMENT

Serial No. <u>09/0</u>	84,623	Filed:	May 26, 1998	Case No. PI-6982-A
K Avenue, Baton Ro	ouge, Louisiana and 1133 Ki	mbro Drive	, Baton Rouge, Louisiana	es of America, residing at 12650 Lazy, respectively, have made at least one the above designated case number and
			OR PURIFYING PHOSPHINE USING M	ETHANOL
	ntion, improvement or disc cation bearing the above C			Letters Patent of the United States of
acknowledged, we having a place of but title and interest in whether joint or sole substitutions, continuand all foreign right. We further	hereby transfer, set over a siness at 451 Florida Street, a, to and under said applicate, disclosed therein, and the nations, or divisions thereof, ts in and to said inventions, agree to execute such further	and assign to Baton Rougnation for Le resultant patincluding al improvem r papers, an	o ALBEMARLE CORF e, Louisiana 70801, its su tters Patent and all inver- tent or patents thereon and 1 priority rights arising in- ents and discoveries.	PORATION, a Virginia Corporation, accessors and assigns, the entire right, ations, improvements and discoveries, and any renewals, reissues, extensions, a other countries from said application er acts as said Corporation may deem
	e to said Corporation the serial number and filing dat			reby authorize the insertion into this
			Inventor	Chaplin Chong Wu
			Inventor K. Pus	pananda A. Senaratne
STATE OF LOUIS	SANA }			
PARISH OF EAST	BATON ROUGE }			
On this	24th day of	July	, 1998, persona	illy appeared before me to

Tse-Chong Wu and K. Pushpananda A. Senaratne

me known to be the persons named in and who executed the above instrument in my presence, and who acknowledged that they executed the same of their own free will for the uses and purposes herein mentioned.

Notary Public Notary Public

(Notarial Seal)

RECORDED: 10/29/1999

PATENT REEL: 010345 FRAME: 0469