ocket No.: OR-7186

11-24-2003



U.S. DEPARTMENT OF COMMERCE

FORM PTO-1595 (Modified) (Rev 03-01) Patent and Trademark Office OMB No. 0651-0027 (exp.5/31/2002) P08/REV03 102607842 Tab settings → → To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): Name of conveying party(ies): **BRIAN KNEALE** JAMES E. BOONE Name: ALBEMARLE CORPORATION STEVEN P. DIEFENBACH CECIL P. LOECHELT Internal Address: JOHN C. PRINDLE, JR. 3. Nature of conveyance: Street Address: 330 SOUTH FOURTH STREET Assignment Merger ☐ Security Agreement ☐ Change of Name City: RICHMOND ZIP: 23219 State: VA ☐ Other Execution Date: October 12, 2000; September 27, 2000, October 6, 12, 12, 2000, Respectively Additional name(s) & address(es) attached? U Yes Application number(s) or patent 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) US Serial No. 09/595,634 Filed: 06/16/2000 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. EDGAR E. SPIELMAN, JR. 7. Total fee (37 CFR 3.41):....\$ 40,00 Internal Address: LAW DIVISION ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account ALBEMARLE CORPORATION Authorized to be charged to deposit account 8. Deposit account number: Street Address: 451 FLORIDA STREET 01-0659 (Order No. 03-123) City: BATON ROUGE ZIP: 70814 State: LA (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. NOVEMBER 18, 2003 EDGAR E. SPIELMAN, JR. Name of Person Signing Signature Date

Mail documents to be recorded with required cover sheet information to:

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

11/24/2003 LINELLER 00000047 010659 09595634 Mail Stop Assignment Recordation Services Director of the United States Pate and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450

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ASSIGNMENT

Serial No.: 09/595,634 Filed: JUNE 16, 2000 Case No. OR-7186

We, BRIAN KNEALE, a citizen of the United Kingdom, residing in the Parish of East Baton Rouge, State of Louisiana, at 6240 North Shore Drive, Baton Rouge, Louisiana, 70817; JAMES E. BOONE, a citizen of the United States of America, residing in the Parish of East Baton Rouge, State of Louisiana, at 11043 Meadow Lake Drive, Baton Rouge, Louisiana, 70810; STEVEN P. DIEFENBACH, a citizen of the United States of America, residing in the Parish of East Baton Rouge, State of Louisiana, at 1457 Bullrush Drive, Baton Rouge, Louisiana, 70810; CECIL P. LOECHELT, a citizen of the United States of America, residing in the Parish of East Baton Rouge, State of Louisiana, at 1288 Lee Drive, Baton Rouge, Louisiana, 70808, and JOHN C. PRINDLE, JR., a citizen of the United States of America, residing in the Parish of East Baton Rouge, State of Louisiana, at 2450 July Street, Baton Rouge, Louisiana, 70808, have made at least one invention, improvement, or discovery described in patent application papers having the above-designated case number and entitled:

PROCESS OF PRODUCING SELF-SUPPORTED CATALYSTS

and for which invention, improvement, or discovery we have filed application for Letters Patent of the United States of America.

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we hereby transfer, set over, and assign to:

ALBEMARLE CORPORATION

a corporation duly organized and existing under the laws of the Commonwealth of Virginia, and having a place of business at Baton Rouge, Louisiana, and its successors and assigns, our entire right, title, and interest in, to, and under said application for Letters Patent, and all inventions, improvements, and discoveries, whether joint or sole, disclosed therein, and the resultant patent or patents thereon, and any renewals, reissues, extensions, substitutions, continuations, or divisions thereof, including all priority rights arising in other countries from said application, and all foreign rights in and to said inventions, improvements, and discoveries.

We further agree to execute such further papers, and perform such other proper acts as said Corporation may deem necessary to secure to said Corporation the rights herein conveyed, and we hereby authorize the insertion into this Assignment of the serial number and filing date of said application.

Inventor

BRIAN KNEALE

Inventor

Jums & Boo James e. BOONE

Inventor

STEVEN P. DIEFENBACH

Inventor

ECH P LOECHELT

Inventor

OHN C. PRINDLE, JR.

PATENT REEL: 014707 FRAME: 0972

STATE OF LOUISIANA	}					
PARISH OF EAST BATON ROUGE	}					
On this <u>12th</u> day of appeared before me:	of <u>October</u>	, 2000, personally				
BRIAN KNEALE						
known to me to be the person named in and who executed the above instrument in my presence, and who acknowledged that he executed the same of his own free will for the uses and purposes herein mentioned.						
	NOTARY PUBLIC					
(Notarial Seal)						
STATE OF LOUISIANA PARISH OF EAST BATON ROUGE	} {					
On this <u>27th</u> day of	September	_, 2000, personally appeared before				
	JAMES E. BOONE					
known to me to be the person named in and who executed the above instrument in my presence, and who acknowledged that he executed the same of his own free will for the uses and purposes herein mentioned.						

NOTARY PUBLIC

(Notarial Seal)

STATE OF LOUISIANA } PARISH OF EAST BATON ROUGE }				
On this 6th day of 0ctober , 2000, personally appeared before me:				
STEVEN P. DIEFENBACH				
known to me to be the person named in and who executed the above instrument in my presence, and who acknowledged that he executed the same of his own free will for the uses and purposes herein mentioned.				
NOTARY PUBLIC				
NOTARY PUBLIC				
(Notarial Seal)				
STATE OF LOUISIANA } PARISH OF EAST BATON ROUGE }				
On this, 2000, personally appeared before me:				
CECIL P. LOECHELT				
known to me to be the person named in and who executed the above instrument in my presence, and who acknowledged that she executed the same of her own free will for the uses and purposes herein mentioned.				

(Notarial Seal)

STATE OF LOUISIANA	}		
PARISH OF EAST BATC	on rouge }		
On this12t appeared before me:	th day of	October	, 2000, personally
	JOHN C.	PRINDLE, JR.	
			ent in my presence, and who d purposes herein mentioned.
		Last 1	
	NOTA	RY PUBLIC	

(Notarial Seal)

RECORDED: 11/21/2003

PATENT REEL: 014707 FRAME: 0975