FORM PTO-1619A	04-06-1998	U.S. Department of Commerce
Expires 06/30/99 OMB 0651-0027		Patent and Trademark Office PATENT
	100674652	GB96/019
MRO 3-23-97 RECORD	DATION FORM COVER SHEET	
TO: The Commissioner of Patents and Tradema	PATENTS ONLY rks: Please record the attached original doc	ument(s) or copy(ies)
Submission Type	Conveyance Type	
X New	X Assignment Security Agr	eement
Resubmission (Non-Recordation) Document ID#	License Change of Na	ame
Correction of PTO Error Reel # Frame #	Merger Other	
Corrective Document Reel # Frame #	(For Use ONLY by U.S. Governmen	nt Agencies)
	Departmental File	Secret File
Conveying Party(ies)	X Mark if additional names of conveying par	Month Day Year
Name (line 1) Skuse, David Robert		10141997
Name (line 2)		Execution Date
Second Party Name (line 1) Chen, Shih-Ruey Thomas	5	Month Day Year 12051997
Name (line 2)		
Receiving Party	Mark if additional names of	f receiving parties attached
Name (line 1) ECC International Ltd.		X If document to be recorded is an assignment and the
Name (line 2)	······································	receiving party is not domiciled in the United States, an appointment
Address (line 1) 1015 Arlington Busines	s Park	of a domestic representative is attached. (Designation must be a
Address (line 2) Theale, Reading		separate document from Assignment.)
Address (line 3) Berkshire RG7 4SA	United Kingdom State/Country Zig	o Code
Domestic Representative Name and A		
Name Suzanne Kikel		
Address (line 1) ECC International Inc.		
Address (line 2) Calgon Center	······································	
Address (line 3) P. O. Box 1346		
Address (line 4) Pittsburgh, PA 15230)	
/d1/1998 BCDATES 00000076 BAN:030176 08960789 HC:581 40.00 CH	FOR OFFICE USE ONLY	
Public burden reporting for this collection of information is estimated to a gathering the data needed to complete the Cover Sheet. Send comments	regarding this burden estimate to the U.S. Patent and Trademark OI	fice, Chief Information Officer, Washington,
D.C. 20231 and to the Office of Information and Regulatory Affairs, Office Information Collection Budget Package 0651-0027, Patent and Trademark	k Assignment Practice. DO NOT SEND REQUESTS TO RECORD AS	SIGNMENT DOCUMENTS TO THIS ADDRESS.
Mail documents to be record Commissioner of Patents and T	led with required cover sheet(sPhiloIntation rademarks, Bop Assignments 5 Washington,	40: A.C. 294336

FORM PTO-16 Expires 06/30/99 OMB 0651-0027	19B	Page 2		U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent	Name and Address	Area Code and Telephone	Number 412	- 494-8503
Name	Suzanne Kikel			
Address (line 1)	ECC International In	с.		
Address (line 2)	Calgon Center			
Address (line 3)	P. O. Box 1346			
Address (line 4)	Pittsburgh, PA 152	30		
	nter the total number of pay cluding any attachments.	ges of the attached conveyar	ice document	# 7
Enter either the Pa Patent 08960789 If this document is bei signed by the first nat Patent Coopera Enter Pi only if a	Application Number(s)	Patent Number (DO NOT ENTER BO	TH numbers for the Patent Num Patent Num Patent application was	
Fee Amount Method of P Deposit Acc (Enter for payr	Payment: Enclo count nent by deposit account or if addit D	or Properties Listed (37 CFR psed Deposit Account tional fees can be charged to the acc eposit Account Number:	t X ount.) #0 <u>3-</u>	
<i>attached c</i> <i>indicated l</i> Suzanne Kil	t of my knowledge and be opy is a true copy of the o herein.	lief, the foregoing informatio riginal document. Charges t <u>Harme Kilul</u> Signaturo	o deposit acco	

FORM PTO Expires 06/30/99 OMB 0651-0027	1619C RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY	U.S. Department of Commerce Patent and Trademark Office PATENT
Conveying F		hed Execution Date
Enter additional	Conveying Parties	Month Day Year
Name (line 1)	Garforth, William Leonard	10201997
Name (line 2)		Execution Date Month Day Year
Name (line 1)	Matz, Gary F.	12041997
Name (line 2)		Execution Date
Name (line 1)		Month Day Year
Name (line 2)		
Receiving P	arty(ies) Mark if additional names of receiving	parties attached
-	Receiving Party(ies)	
Name (line 1)		If document to be recorded is an assignment and the
Name (line 2		receiving party is not domiciled in the United States, an appointment
Address (line 1)	of a domestic representative is attached. (Designation must be a separate
Address (line 2)	document from Assignment)
Address (line	3) City State/Country Z	ip Code
Name (line		If document to be recorded
Name (line :		is an assignment and the receiving party is not domiciled in the United
Address (line 1)	States, an appointment of a domestic representative is attached. <i>(Designation must</i>
Address (line 2		be a separate document from Assignment.)
Address (line 3		
	City State/Country	Zip Code
	Number(s) or Patent Number(s) Mark if additional numbers attac	
1	the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for	
	Patent Application Number(s) Patent M	lumber(s)
L		
		·

PATENT REEL: 9056 FRAME: 0438

FORM PTO Expires 06/30/99 OMB 0651-0027	PATENTS ONLY	U.S. Department of Commerce Patent and Trademark Office PATENT
Conveying F Enter additional Name (line 1)	Party(ies) Mark if additional names of conveying parties attache Conveying Parties Garforth, William Leonard	d Execution Date Month Day Year 10201997
Name (line 2)		Execution Date
Name (line 1)	Matz, Gary F.	Month Day Year 12041997
Name (line 2)		Execution Date
Name (line 1)		Month Day Year
Name (line 2)		
Receiving P	arty(ies) Mark if additional names of receiving pa	urties attached
	Receiving Party(ies)	
Name (line 1)		If document to be recorded is an assignment and the
Name (line 2)		receiving party is not domiciled in the United States, an appointment
Address (line 1)	of a domestic representative is attached. <i>(Designation</i> must be a separate
Address (line 2)	document from Assignment.)
Address (line)	3) City State/Country Zip	Code
Name (line))	If document to be recorded is an assignment and the
Name (line :	2)	receiving party is not domiciled in the United States, an appointment of a
Address (line)	domestic representative is attached. (Designation must be a separate document from
Address (line 2		Assignment)
Address (line 3	City State/Country Z	ip Code
	Number(s) or Patent Number(s) Mark if additional numbers attach	
Enter either	the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for th	e same property).
	Patent Application Number(s) Patent Nu	mber(s)
L		
		[
L		

PATENT REEL: 9056 FRAME: 0439

ASSIGNMENT OF PATENT APPLICATION

Inventors:

- (1) DAVID ROBERT SKUSE
- (2) SHIH-RUEY THOMAS CHEN
- (3) WILLIAM LEONARD GARFORTH
- (4) GARY F MATZ

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree to assign, and hereby do assign, transfer and set over to:

Assignee:

(5) ECC International Ltd

Address:

 (6) of 1015 Arlington Business Park Theale
 Reading, Berkshire
 RG7 4SA
 United Kingdom

(hereinafter designated as the Assignee) the entire right, title and interest for the United States its territories, dependencies and possessions, and for the country of:

(Other Countries)

(10)

- (7) ALL COUNTRIES

 in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as
 (*Title*) (8) DISPERSING AGENTS AND THEIR USE
 - (9) for which the undersigned have filed an application (the "Application") for patent in the United States of America the details of which are as follows

08/960,789

US Patent Application Serial Number [not set known] filed on October 30, 1997

(11) The undersigned acknowledge an obligation of assignment of this invention to said Assignee at the time the invention was made.

ECCI/Pat.23f Applicant's Ref. GB96/019 Page 1 of 3

- 1) The undersigned agree to execute all papers and documents necessary in connection with the Application or any further patent application claiming priority from it or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 2) The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- 3) The undersigned hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby convenants that they have full right to convey the entire interest herein assigned and that they have not executed and will not execute, any agreement in conflict herewith.
- 4) The undersigned hereby grant our attorneys, Suzanne Kikel or Mark Montgomery of the Assignee's affiliate company English China Clays Inc, Patent Department, PO Box 1346 Pittsburgh, PA 15230, United States of America the power to insert on this assignment any further identification which may be necessary to desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

Signature of Inventor (1):	Dand Robert Shur	Date:	14 th october 1997
Inventor (1):	David Robert Skuse		
Witnessed by:	Eileen A. Spirtle	Date:	14th October 1997
Witness:	Eileen A Spittle		
Signature of Inventor (2):	Shiling T. Chu	Date:	Decembe 5, 199
Inventor (2):	Shih-Ruey Thomas Chen		1
Witnessed by:	Yanthalf	Date:	Dec 5 1997
Witness:	Rand J. Loeffler		/
Signature of Inventor (3):	William Lemand Harpoth	Date:	O.t. 20, 1997
Inventor (3):	William Leonard Garforth		
Witnessed by:	Se m fit	Date:	10/20/97
Witness:	Steven M. Fortics		
Signature of Inventor (4):	L SMM	Date:	4 December 1997
Inventor (4):	Gary F Matz		
Witnessed by:	Balaca Acception	Date:	4 December 1997
Witness:	Babas Stommer.		

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s):

RECORDED: 03/23/1998

.