05-31-2002



U.S. DEPARTMENT OF COMMERCE

(Rev. 03/01)	102107	7950	U.S. Patent and Trademark Office	
OMB No. 0651-0027 (exp. 5/31/2002) Tab settings ⇔ ⇔ ♥ ▼	U	V	<u>, ei</u>	
To the Honorable Commissioner of Pat	ents and Trademarks:	Please record the attache	ed original documents or copy thereof.	
Name of conveying party(ies):			ess of receiving party(ies)	
Phillip S. Fisher			prporation	
Charles O. Jordan, II Paul N. Shepherd			5	
r au N. Shephelu		internal Address	3:	
Additional name(s) of conveying party(ies) attach	ed? 🖵 Yes 🛂 No			
3. Nature of conveyance:				
Assignment 🖳 M	lerger	Otan at Adda	905 West Boulevard North	
📮 Security Agreement 🖳 C	hange of Name	Street Address:		
Other				
		City:_Elkhart	State: INZip: 46514	
Execution Date: 5/13/02		Additional name(s) 8	address(es) attached? 📮 Yes 🛂 No	
4. Application number(s) or patent num	ber(s):	75	7	
If this document is being filed togethe	er with a new appli	cation, the execution	date of the application is: 5/21/02	
A. Patent Application No.(s)		B. Patent No.(s)		
	Additional numbers att	ached? 🖵 Yes 🖳 No		
5. Name and address of party to whom correspondence		6. Total number of applications and patents involved:		
concerning document should be mailed:		7. Total fee (37 CFR 3.41)\$		
Name: Vickie Newman				
Internal Address: CTS Corporation		🖫 Enclosed		
		Authorized to be charged to deposit account		
		8. Deposit account	number:	
Street Address: 905 West Boulevard North				
		03-1677		
Elikhart	16511	(Attach duplicate con	y of this page if paying by deposit account)	
City: Elkhart, State: IN	Zip:	(made auphomo cop.	, or and page in paying of the particular,	
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.				
Mark P. Bourgeois		molles	05/21/02	
Name of Person Signing		Signature	Date	
Total number o	of ages including cove	r sheet, attachments, and	documents: 3	

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

00000104 031677

10153127 Comm ssioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

01 FC:581 40.00 CH

Form PTO-1595

PATENT REEL: 012929 FRAME: 0075

Docket No.: CTS-2290

ASSIGNMENT

WHEREAS, we, Phillip S. Fisher of the City of Attica, County of Fountain, in the State of Indiana; Charles O. Jordan of the City of West Lafayette, County of Tippecanoe, in the State of Indiana; and Paul N. Shepherd of the City of West Lafayette, County of Tippecanoe, in the State of Indiana; have made a certain new and useful invention entitled "Low Temperature Co-fired Ceramic with Improved Shrinkage Control" including the subject matter described and claimed in the application for Letters Patent of the United States duly executed by the undersigned concurrently herewith on the 12 day of May, 2002.

WHEREAS, CTS CORPORATION, a corporation duly organized under the laws of the State of Indiana and doing business in the City of Elkhart, the County of Elkhart and the State of Indiana, is desirous of acquiring the full and exclusive right, title and interest which I have or may have in and to said invention and said application, including any continuation and any division of said application, and any Letters Patent of the United States and of foreign countries that may be granted for said invention, and any renewal, any reissue and any extension of any such Letters Patent;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that for good and valuable consideration, I do hereby assign, transfer and set over unto the said CTS CORPORATION all the right, title and interest which I have or may have in and to said invention and said application and any Letters Patent of the United States and of foreign countries that may be granted for said invention and any renewal, any reissue and any extension of any such Letters Patent; the same to be held and enjoyed by said CTS CORPORATION, its successors, legal representatives and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment had not been made; and I hereby covenant and warrant that I have not executed and will not execute any instrument purporting to convey, mortgage, lease or otherwise transfer all, or any part of said interest, to anyone other than said CTS CORPORATION, its successors, legal representatives and assigns.

I authorize and request the Commissioner of Patents of the United States to issue any Letters Patent which may be granted upon the aforesaid application or applications to CTS CORPORATION.

PATENT REEL: 012929 FRAME: 0076

Docket No.: CTS-2290

And, for the above consideration, I hereby covenant and agree that I will, at the request of said CTS CORPORATION, its successors, legal representatives and assigns, execute any and all renewal, continuation and divisional applications, both United States and foreign, for Letters Patent for said invention; and any and all applications for the renewal, the reissue and the extension of any Letters Patent, both United States and foreign, that may be granted for said invention and do any and all other and further acts to obtain any such Letters Patent, and any renewal, any reissue and any extension of the same that said CTS CORPORATION, its successors, legal representatives and assigns may deem necessary or expedient, without further compensation, but at the expense of said CTS CORPORATION, its successors, legal representatives and assigns.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 13th day of May, 2002.

Bully I feel	Chale of In II
Phillip S. Fisher	Charles O. Jordan III
Paul N. Shaplan	_
Paùl N. Shepherd	
STATE OF INDIANA))SS
COUNTY OF Tippecanoe	
, Patricia M. Dost	, Notary Public in and for said County, in the State
•	illip S. Fisher, Charles O. Jordan and Paul N. Shepherd,
•	e same person whose name is subscribed to in the
	fore me this day in person and acknowledged that he

GIVEN under my hand and Notarial Seal this $\frac{13th}{}$ day of May, 2002.

Notary Public

(NOTARIAL SEAL)

purposes set forth.

My Commission Expires: February 29, 2008

PATENT
RECORDED: 05/21/2002 REEL: 012929 FRAME: 0077