Form PTO-1595 (Rev. 10/02)  OMB No. 0651-0027 (exp. 6/30/2005)  Tab settings ⇔ ⇔ ▼ 1026804	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies):  Kai H. Chang  David Kalish  Thomas J. Miller	Name and address of receiving party(ies)     Name: Fitel USA Corp.  Internal Address: Docket Administrator	
Additional name(s) of conveying party(ies) attached? Yes No		
3. Nature of conveyance:   ✓ Assignment	Street Address: 2000 Northeast Expressway Suite 2H02	
Various Execution Date:	City: Norcross State: Ga Zip: 30071  Additional name(s) & address(es) attached? Yes V No	
	cation, the execution date of the application is:  B. Patent No.(s)	
5. Name and address of party to whom correspondence 6. Total number of applications and patents involved:		
concerning document should be mailed:		
Name: Docket Administrator	7. Total fee (37 CFR 3.41)\$	
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	OMB No. 0651-0027 (exp. 6/30/2005)  Tab settings ⇔ ⇔ ♥ ▼ ▼	259 , , ,
		: Please record the attached original documents or copy thereof.
	1. Name of conveying party(ies):  Kai H. Chang  David Kalish  Thomas J. Miller	2. Name and address of receiving party(ies)  Name: Fitel USA Corp.  Internal Address: Docket Administrator
	Additional name(s) of conveying party(ies) attached? Yes 🗸 No	020s
	3. Nature of conveyance:	0,0
:	Assignment Merger  Security Agreement Change of Name  Other	Street Address: 2000 Northeast Expressway  Suite 2H02
	10 / 62 0 06 <sub>0</sub>	City: Norcross State: GA Zip: 30071  Additional name(s) & address(es) attached? Yes No
	A. Patent Application No.(s)	B. Patent No.(s)
	Additional numbers a  5. Name and address of party to whom correspondence concerning document should be mailed:  Name:  Docket Administrator  Internal Address:	
	Street Address: 2000 Northeast Expressway Suite 2H02	8. Deposit account number: 50-2074
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	Michael A. Morra  Name of Person Signing  Total number of pages including cov	Signature Date  orer sheet, attachments, and documents: 5

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## ASSIGNMENT AND AGREEMENT

For value received, we, Kai H. Chang, of Suwanee in the County of Gwinnett and the State of Georgia; and David Kalish, of Roswell in the County of Fulton and the State of Georgia; and Thomas John Miller, of Alpharetta in the County of Fulton and the State of Georgia, hereby sell, assign and transfer to Fitel USA Corp., a corporation of the State of Delaware, having an office at 2000 Northeast Expressway, Norcross, Georgia 30071, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to Method and Apparatus for Fabricating Optical Fiber Using Deuterium Exposure described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Fitel USA Corp. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Fitel USA Corp. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Fitel USA Corp. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Fitel USA Corp. in the United States and to Fitel USA Corp. in all countries foreign to the United States, or to such nominees as they may designate.

We agree that, when requested, we shall, without charge to Fitel USA Corp. but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Kai H. Chang

Date: July 15, 2003

United States of America )

State of Georgia ) ss.:

County of Gwinnett )

On this day of day of 2003, before me personally came Kai H. Chang, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Notary Public, Gwinnett County, Georgia. My Commission Expires Feb. 19, 2005.

David Kalish

United States of America )
State of Georgia ) ss.:

County of Gwinnett )

On this 9th day of 9th day of 9th day of 2003, before me personally came David Kalish, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Notary Public, Gwinnett County, Georgia. My Commission Expires Feb. 19, 2005.

Thomas John Miller

Date: 1/10/03

United States of America )

State of Georgia ) ss.:

**RECORDED: 02/27/2004** 

County of Gwinnett )

On this day of , 2003, before me personally came Thomas John Miller, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

**Notary Public** 

Notary Public, Gwinnett County, Georgia. My Commission Expires Feb. 19, 2005.