07-16-1999			
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1. Name of conveying party(ies):	2. Name and address of receiving party(ies):		
S. Iraj NAJAFI	Name: LUMENON, INNOVATIVE LIGHTWAVE TECHNOLOGY, INC.		
Additional name(s) of conveying party(ies) attached? [] Yes [x] No	Internal Address:		
<ol> <li>Nature of conveyance:</li> <li>[X] Assignment</li> <li>[] Merger</li> </ol>	Street Address: 9060 Ryan Avenue		
[] Security Agreement [] Change of Name [] Other	City: Quebec State: CANADA Zip: H9P 2M8 Additional name(s) & address(es) attached? [] Yes [x] No		
Execution Date: <u>June 30, 1999</u>			
A. Patent Application No.(s) 09/345872 Additional numbers atta	Express Mail Poer Ottice to Addressee' service Seck		
<ol> <li>Name and address of party to whom correspondence concerning document should be mailed:</li> </ol>	6. Total number of applications and patents 1		
Name: <u>Darby &amp; Darby P.C.</u>			
Internal Address: <u>Melvin C. Garner</u>	7. Total fee (37 CFR 3.41):\$40.00		
Street Address: 805 Third Avenue, 27th Floor	[X] Enclosed		
City: <u>New York</u> State: <u>New York</u> Zip: <u>10022-7513</u>	[] Authorized to be charged to deposit account		
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9. Statement and signature. To the best of my knowledge and belief, the foregoing is true copy of the original document.	information is true and correct and any attached copy is a		
Melvin C. Garner Name of Person Signing Signature	<u>July 1, 1999</u> Date		
Total number of pages including c	cover sheet, attachments, and document: 3		
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Washington, D.C. 20231

## PATENT REEL: 010089 FRAME: 0932

Assignment of Rights in Invention (Sole inventor; single assignce)	B Docket No			
Inventor	Residence of Inventor			
S. Iraj NAJAFI	481 Victoria Avenue Westmouat, Quebec Canada H3Y 2R3			
Assignee	Residence or Principal Place of Business of Assignee			
LUMENON, INNOVATIVE LIGHTWAVE TECHNOLOGY INC.	9068 Ryan Avenue Dorval, Quebec Canada H9P 2M8			
ON-SUBSTRATE CLEAVING OF SOL-GEL WAVEGUIDE (hereinajter referred to as "Invention") for which I am making of And, whereas I desire to assign a 100% undivided inte- and any Letters Patent which may be grunted therefor to the abo acyuiring the entire right, title and interest in the same;	rest in suid Invention, suid application disclosing the Invention			
Now, this indenture witnesseth, that for the sum of 1.00 ), and other youd and valuable consideration, th	One dollars (\$ e receipt whereof is hereby acknowledged;			
I hereby axign, sell and transfer a 140% undivided into continuations, and continuations-in-part thereof, and in and to foreign thereta, which muy be granted for suid Invention, and in benefits accruing of to accrue to me with respect to the filing States and countries foreign thereto, unto suid Assignce;	and to any and all priority rights, Convention rights, and other			
And I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Letters Patent to said Assignce, as assignce of the whole right, title and interest thereto;				
And I further agree to execute all necessary and lawful future documents, including assignments in fevor of Assignee, or its designees as Assignee or its Assignees may from time-to-time present to me in order to perfect title in suid Invention, modifications, and improvements in said Invention, applications and Letters Patent of the United States and countries foreign thereto;				

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Andignment of Rights in Invention (Sole inventor; single assignes)		Docket No		
inventor	Residence of Invent	D <b>r</b>		
S. Iraj NAJAFI	481 Victoria Avenus Westmount, Quebec Canada H3Y 2R3			
Assignae	Residence or Principal Place of Bus	iness of Assignee		
LUMENON, INNOVATIVE LIGHTWAVE TECHNOLOGY INC.	9660 Syan Avenus Dorval, Quebec Canadu H9P 2M8			
And I further agree to sign and properly execute such necessary and timful papers for application for foreign patents, for filling divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissness of any Letters Patent which may be granted for my afterestid Invention, as the Assignee thereof shall hereafter require und prepare at its own expense. Executed this 3 Today of June, in the year 1999 at				
State of				
COURTY OF				
Before me personally appeared S. Iraj NAJAF! wha acknowledged the foregoing instrument to be a free act and deed and abo represented that he or she is authorized to execute the same this day of . in the year				
	(Naway Public)			
		·		
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**RECORDED: 07/01/1999**