06	-16-1998
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To the Honorable Commissioner of Patents and Traden	00738209 narks: Please record the attached original documents or copy thereof.
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David Neil Payne, Anatoly Grudinin Igor Andreevich Goncharenko	Name: University of Southampton Internal Address:
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Execution Date: April 1998	Country: United Kingdom  Additional name(s) & address(es) attached? U Yes 10 No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new ap	oplication, the execution date of the application is:
If this document is being filed together with a new ap	pplication, the execution date of the application is:  B. Patent No.(s)
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A. Patent Application No.(s) 09/029,667	
A. Patent Application No.(s) 09/029,667	B. Patent No.(s)
A. Patent Application No.(s)  09/029,667  Additional no.  5. Name and address of party to whom correspondence.	B. Patent No.(s)
A. Patent Application No.(s)     09/029,667      Additional no.      Name and address of party to whom correspondence concerning document should be mailed:	B. Patent No.(s)  mbers attached?   Yes M No  6. Total number of applications and patents involved:   7. Total fee (37 CFR 3.41)
A. Patent Application No.(s)  09/029,667  Additional no.  5. Name and address of party to whom correspondence concerning document should be mailed:  Name:Don_WBulson,_Esq	B. Patent No.(s)  mbers attached?  Yes M No  6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41)
A. Patent Application No.(s)  09/029,667  Additional no.  5. Name and address of party to whom correspondence concerning document should be mailed:  Name:Don W. Bulson, Esq.  Internal Address:Renner, Otto, Boisselle & Sklar, P.L.L.  Street Address:1621 Euclid Avenue,	B. Patent No.(s)  mbers attached?  Yes M No  6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41)
A. Patent Application No.(s)  09/029,667  Additional no.  5. Name and address of party to whom correspondence concerning document should be mailed:  Name:Don_W. Bulson, Esq.  Internal Address:Renner, Otto, Boisselle & Sklar, P.L.L.	B. Patent No.(s)  ### B. Patent No.(s)  #### B. Patent No.(s)  ##### B. Patent No.(s)  ##### B. Patent No.(s)  ##### B. Patent No.(s)  ###### B. Patent No.(s)  ###################################
A. Patent Application No.(s)  09/029,667  Additional no.  5. Name and address of party to whom correspondence concerning document should be mailed:  Name:Don W. Bulson, Esq.  Internal Address:Renner, Otto, Boisselle & Sklar, P.L.L.  Street Address:1621 Euclid Avenue,  Nineteenth Floor  City:ClevelandState: _OhioZIP:441	B. Patent No.(s)  ### B. Patent No.(s)  #### B. Patent No.(s)  ##### B. Patent No.(s)  ##### B. Patent No.(s)  ##### B. Patent No.(s)  ###### B. Patent No.(s)  ###################################
A. Patent Application No.(s)  09/029,667  Additional no.  5. Name and address of party to whom correspondence concerning document should be mailed:  Name:Don W. Bulson, Esq.  Internal Address:Renner, Otto, Boisselle & Sklar, P.L.L.  Street Address:1621 Euclid Avenue,  Nineteenth Floor  City:ClevelandState: _OhioZIP:441  5/1998 JSMMAZZ 00000144 09029667  5. Statement and signature.  To the best of my knowledge and belief, the foregoing	B. Patent No.(s)  ### B. Patent No.(s)  #### B. Patent No.(s)  #### Comparison of the patents involved:  ### Total fee (37 CFR 3.41)
A. Patent Application No.(s)  09/029,667  Additional no.  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: DonW Bulson, Esq  Internal Address: Renner, Otto, Boisselle & Sklar, P.L.L.  Street Address: 1621	B. Patent No.(s)  ### B. Patent No.(s)  #### B. Patent No.(s)  #### B. Patent No.(s)  ###################################

## ASSIGNMENT OF APPLICATION FOR PATENT

## WHEREAS:

	WILLIAM.			
NAME(S) AND ADDRESS(ES) OF INVENTOR(S)	David Neil Payne 13 Sylvan Lane Hamble Southampton S03 5QG United Kingdom	Anatoly Grudinin 69 Burgess Road Bassett Southampton S016 7AL United Kingdom	Igor Andreevich Goncharenko FernUniversitaet LG Allgenmeine and Theoretische Elektrotechnik D-58084 Hagen Germany	
	(hereinafter referred to as A	SSIGNOR), have invented	a certain invention entitled:	
TITLE OF INVENTION	OPTICAL PULSE PROPAG	GATION		
	for which application for Le	etters Patent of the United S	States has been filed	
PARTICULARS OF APPLICATION	under PCT Application No.	PCT/GB96/02225	on September 10. 1996,	
	WHEREAS:			
NAME, STATE OF INCORPORATION AND ADDRESS OF ASSIGNEE	University of Southampton Highfield Southampton Hampshire S017 1BJ United Kingdom			
	(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in under said invention and the United States Letters Patent to be obtained therefor.  Now, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that for Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns, the entire right, title and interest to said invention so far as of the United States and the Territories and Possessions thereof, said application and all Letters Patent of the United States to be obtained on said application or any continual division, renewal, substitute or reissue thereof for the full term or terms for which the may be granted.			
			e, agreement or encumbrance has flict with this assignment and sale.	
	with all pertinent facts and Letters Patent as may be kn same in any interference or to ASSIGNEE or its legal r required to apply for, obtai	documents relating to said nown and accessible to ASS litigation related thereto an epresentative any and all p n, maintain and enforce said	pon its request, be provided promptly application, said invention and said GOOR and will testify as to the and will promptly execute and deliver apers, instruments or affidavits id application, said invention and said carry out the purposes hereof.	
FULL NAME(S) OF	Date 23/4/98	<del></del>	Vous None	

 $C:\label{eq:c:lowb} C:\label{eq:c:lowb} C:\l$ 

Date\_

Igor Andreevich Goncharenko

REEL: 9232 FRAME: 0056

Anatoly/Grudinin

## ASSIGNMENT OF APPLICATION FOR PATENT

## WHEREAS:

NAME(S) AND
ADDRESS(ES) OF
INVENTOR(S)

David Neil Payne 13 Sylvan Lane

Hamble

Southampton S03 5OG

United Kingdom

Anatoly Grudinin

69 Burgess Road Bassett

Southampton S016 7AL United Kingdom

Igor Andreevich Goncharenko FernUniversitaet

LG Allgenmeine and Theoretische

Elektrotechnik D-58084 Hagen

Germany

(hereinafter referred to as ASSIGNOR), have invented a certain invention entitled;

TITLE OF INVENTION OPTICAL PULSE PROPAGATION

for which application for Letters Patent of the United States has been filed

PARTICULARS OF APPLICATION

under PCT Application No. PCT/GB96/02225 on September 10, 1996

WHEREAS:

NAME, STATE OF INCORPORATION AND ADDRESS OF ASSIGNEE

University of Southampton

Highfield Southampton

Hampshire S017 1BJ United Kingdom

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor.

Now, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that for One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns, the entire right, title and interest to said invention so far as concerns the United States and the Territories and Possessions thereof, said application and all Letters Patent of the United States to be obtained on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

FULL NAME(S) OF INVENTORS(S)

Date		
		David Neil Payne
Date		
Date	22.04.1998	Anatoly Grudinin
		Igor Andreevich Goncharenko

C.: G\DWB\DYOU\P0171\P0171US. ASSG. wpd (A-OUS-1, A4) (12/96).

PATENT

RECORDED: 06/01/1998 REEL: 9232 FRAME: 0057