01-30-2001



101598255

U.S. Department of Commerce Patent and Trademark Office **PATENT**

FORM PTO-1619A

Expires 06/30/99 OMB 0651-0027

RI	PATENTS ONLY		
TO: The Commissioner of Patents and	Trademarks: Please record the attached original document(s) or copy(ies).		
Submission Type	Conveyance Type		
X New	X Assignment Security Agreement		
Resubmission (Non-Recordation) Document ID#	License Change of Name		
Correction of PTO Error Reel # Frame # Corrective Document	Merger Other U.S. Government		
Reel # Frame #	(For Use ONLY by U.S. Government Agencies) Departmental File Secret File		
Conveying Party(ies)	TV Mark if additional names of accounts and the state of		
Name (line 1) Smoliarov, Boris V.	X Mark if additional names of conveying parties attached Execution Date Month Day Year 10102000		
Name (line 2)			
Second Party	Execution Date Month Day Year		
Name (line 1) Rogatchev, Victor T.	10102000		
Name (line 2)			
Receiving Party	Mark if additional names of receiving parties attached		
Name (line 1) Needleless Ventures,	Inc. If document to be recoil		
Name (line 2)	is an assignment and treceiving party is not domiciled in the United		
Address (line 1) 8381 Melrose Drive	States, an appointment of a domestic representative is attached (Designation must be a		
Address (line 2)	separate document from Assignment.)		
Address (line 3) Lenexa	KS 66214		
Domestic Representative Name	e and Address Enter for the first Receiving Party only.		
2 amount reproduitante Hame	Enter for the first Receiving Party only.		
Name Joseph A. Mahoney	Enter for the first Receiving Party only.		
	Enter for the first Necestring Party Only.		
Name Joseph A. Mahoney	Enter for the first Necestring Party Unity.		
Name Joseph A. Mahoney Address (Ilne 1) Sonnenschein Nath &	z Rosenthal		
Name Joseph A. Mahoney Address (line 1) Sonnenschein Nath & Address (line 2) P.O. Box 061080	Rosenthal Sears Tower		
Name Joseph A. Mahoney Address (Iline 1) Sonnenschein Nath & Address (Iline 2) P.O. Box 061080 Address (Iline 3) Wacker Drive Station -	Rosenthal Sears Tower		
Name Joseph A. Mahoney Address (Iline 1) Sonnenschein Nath & Address (Iline 2) P.O. Box 061080 Address (Iline 3) Wacker Drive Station -	Rosenthal Sears Tower		

gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0851-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0851-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments , Washington, D.C. 20231

PATENT

REEL: 011463 FRAME: 0786

FORM PT Expires 06/30/99 OMB 0651-0027	O-1619B	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT		
Correspond	lent Name and Address	Area Code and Telephone Number	(312) 876-8000		
Name	Joseph A. Mahoney				
Address (line 1)	Sonnenschein Nath & Rosenthal				
Address (line 2)	P.O. Box 061080				
Address (line 3)	Wacker Drive Station - Sears Tov	ver			
Address (line 4)	Chicago, IL 60606-1080				
Pages	Enter the total number of pag including any attachments.	es of the attached conveyance docu	ument # 2		
	Number(s) or Patent Num		if additional numbers attached		
	he Patent Application Number or the Pa tent Application Number(s)	tent Number (DO NOT ENTER BOTH number	rs for the same property). ent Number(s)		
09/685,499			int Number(s)		
	is being filed together with a <u>new</u> Patent st named executing inventor.	t Application, enter the date the patent applica	ation was Month Day Year		
Patent Coop	peration Treaty (PCT)				
	er PCT application number	PCT PCT	PCT		
	<u>/ if</u> a U.S. Application Number not been assigned.	PCT PCT	PCT		
Number of Properties Enter the total number of properties involved. # 1					
Fee Amount	Fee Amount fo	or Properties Listed (37 CFR 3.41):	\$ 40.00		
Method of Payment: Enclosed X Deposit Account Deposit Account					
(Enter for payment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: # 19-3140					
	Au	uthorization to charge additional fees:	Yes X No		
Statement a	nd 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. Charges to deposit account are authorized, as indicated herein.					
Joseph A. Mal		Asepha. Maha	1/18/01		
-	of Person Signing	Signature	Date		

PATENT REEL: 011463 FRAME: 0787 FORM PTO-1619C Expires 06/30/99

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce Patent and Trademark Office

OMB 0651-0027	PATENTS ONLY	PATENT			
Conveying Pa	I I main ii additional hallies of collegalliu ballies attached	Execution Date			
i		Month Day Year			
Marine (line 1) K	atov, Victor N.	10102000			
Name (line 2)		Execution Date Month Day Year			
Name (line 1)					
Name (line 2)		Execution Date			
Name (line 1)		Month Day Year			
Name (line 2)					
Receiving Pa	rty(ies) Mark if additional names of receiving parties	s attached			
Enter additional F	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 Zip Code	3			
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 of a			
Address (line 1)		domestic representative is attached. (Designation must			
Address (line 2)		be a separate document from Assignment.)			
Address (line 3)	City State/Country Zip Co	de			
Application Number(s) or Patent Number(s) Mark if additional numbers attached					
Enter either the	Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the san	ne property).			
Pa	tent Application Number(s) Patent Number	er(s)			

PATENT

REEL: 011463 FRAME: 0788

Serial No. 09/685.499 Filed:: October 10, 2000

Docket No. 70006780.0004

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby

acknowledged, each of the undersigned, BORIS V. SMOLIAROV, VICTOR T.

ROGATCHEV, and VICTOR N. KATOV, have sold, assigned and transferred and do hereby

sell, assign and transfer unto NEEDLELESS VENTURES, INC., having a principal place of

business at 8381 Melrose Drive, Lenexa, KS, USA 66214, and its successors, assigns and legal

representatives, his entire right, title and interest for the United States of America in and to all

inventions relating to the UNIVERSAL ANTI-INFECTIOUS PROTECTOR FOR

NEEDLELESS INJECTORS (the "Invention"), as described and illustrated in a patent

application filed before the United States Patent and Trademark Office on October 10, 2000,

which has been assigned Serial No. 09/685,499 and naming the undersigned as inventors (the

"Application"), together with the entire right, title and interest in and to the Application, and in

and to Letters Patent which may be issued upon any application claiming priority of the

Application, and upon any division, extension, continuation, reexamination or reissue thereof.

Each of the undersigned also hereby sells, assigns and transfers unto NEEDLELESS

VENTURES, INC., his entire right, title and interest in and to the Invention and in and to any

applications for Letters Patent in all countries foreign to the United States of America, including

all rights under any and all international conventions and treaties in respect of the Invention and

the applications for Letters Patent in foreign countries, and further authorizes NEEDLELESS

VENTURES, INC. to apply for Letters Patent in foreign countries directly in its own name, and

to claim the priority of the filing date of the Application under the provisions of any and all

international conventions and treaties.

14131945\V-1

PATENT REEL: 011463 FRAME: 0789 Each of the undersigned hereby authorizes and requests the Commissioner of Patents of the United States of America to issue Letters Patent upon any application claiming priority of the Application, and any division, extension, continuation, reexamination or reissues thereof, to NEEDLELESS VENTURES, INC. for the sole use and benefit of NEEDLELESS VENTURES, INC., its successors, assigns, licensees and/or legal representatives, to the full end of the term for which said Letters Patent may be granted, the same as they would have been held and enjoyed by the undersigned had this assignment not been made, and hereby authorizes and requests the equivalent authorities in foreign countries to issue the patents of their respective countries to NEEDLELESS VENTURES, INC.

Each of the undersigned agrees that, when requested, he/she will sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the Invention in all countries and for vesting title thereto in **NEEDLELESS VENTURES**, **INC.**, its successors, assigns and legal representatives or nominees.

Each of the undersigned represents to **NEEDLELESS VENTURES**, **INC.**, its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

Dated: 10:10.2000	Boris V. Smoliarov
Dated: 10.10.2000	forms
	Victor T. Rogatchev

Dated: 10.10, 2000 By Reverse Victor N. Katov

2

FORM PTO-1619B Expires 06/30/99 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT		
Correspondent Name and Add	ress Area Code and Telephone Numb	per (312) 876-8000		
Name Joseph A. Mahoney				
Address (line 1) Sonnenschein Nath & Ro	senthal			
Address (line 2) P.O. Box 061080				
Address (line 3) Wacker Drive Station - S	Sears Tower			
Address (line 4) Chicago, IL 60606-1080				
Pages Enter the total number including any attach	er of pages of the attached conveyance doments.	ecument # 2		
Application Number(s) or Pater		rk if additional numbers attached		
	r or the Patent Number (DO NOT ENTER BOTH num			
Patent Application Number)r(s)	atent Number(s)		
If this document is being filed together with a signed by the first named executing inventor.	new_Patent Application, enter the date the patent app	lication was Month Day Year		
Patent Cooperation Treaty (PC	T) PCT PCT	PCT		
Enter PCT application num	nber			
only if a U.S. Application I has not been assigned.	Number PCT PCT PCT	PCT		
Number of Properties Enter	r the total number of properties involved.	# 1		
Fee Amount Fee A	mount for Properties Listed (37 CFR 3.41): \$ 40.00		
Method of Payment:	Enclosed X Deposit Account			
Deposit Account (Enter for payment by deposit account	t or if additional fees can be charged to the account.)	#[40.0440		
	Deposit Account Number:	#[19-3140]		
	Authorization to charge additional fees	Yes X No		
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. Charges to deposit account are authorized, as				
attached copy is a true copy indicated herein.	or the original document. Charges to dep	/ /		
Joseph A. Mahoney	Asepha. Mah	Quor 1/18/01		
Name of Person Signing	Signature	Date		

PATENT REEL: 011463 FRAME: 0791