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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)						
Correction of PTO Error		Change of Name				
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Conveying Party(ies)	Mark if additional names o	of conveying parties attached				
		Execution Date				
		Month Day Year				
Name (line 1) Alvin U. Chen Name (line 2)		12/06/2000				
Second Party Execution D						
Name (line 1) Osman A. Basaran		Month Day Year 12/06/2000				
Name (line 1) Usman A. Basaran Name (line 2)		12/06/2000				
Receiving Party	Mark if additional names o	of receiving party attached				
	<u> </u>					
Name (line 1) Purdue University Research Foundation		If document to be recorded is an				
Name (line 2) Office of Technology Commercialization assignment and receiving party						
Address (line 1) 1291 Cumberland Avenue, Suite F domiciled in the United States, an appointment						
Address (line 2)		of a domestic representative is				
		attached. (Designation must be a separate				
		document from Assignment.)				
Address (line 3) West Lafayette In	idiana/USA	47907				
City State/C	Country	Zip Code				
Domestic Representative Name and Address Enter for the first Receiving Party only.						
Name						
Address (line 1) Address (line 2)	**					
Address (line 2) Address (line 3)		<b>Karl T</b> ar				
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Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments, Washington D.C., 20231

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Honorable Commissioner for Patents, Washington, D.C. 20231 on April 3, 2001. JOHN V. DANILUCK Registered Representative V. Han Signature <u>il 2001</u> Date of Signature

PATENT REEL: 11691 FRAME: 0424

Page 2							
Correspondent Name and Address							
	Area Code and Telephone Number			(317) 634-3456			
Name	John V. Daniluck						
Address (line 1)	Woodard, Emhardt, Naughton, Moriarty & McNett						
Address (line 2)	111 Monument Circle, Suite 3700						
Address (line 3)	Bank One Center/Tower						
Address (line 4)	Indianapolis, Indiana 46204-5137						
Pages	Enter the total number of pages of the attached conveyance document #12 including any attachments.						
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 same property).							
09/716,576	Application Numb	mber(s) Patent Number(s)					
If this document is being filed together with a <u>new</u> Patent Application, enter the date the patent application was signed by the Month Day Year first named executing inventor.							
Patent Corporation Treaty							
Enter a PCT application number only if a U.S.		PCT	PCT		PCT		
Application Number has not been assigned.     PCT     PCT							
Number of proper		Enter the total number of p	roperties involved		#1		
Fee Amount	Fee Amount for Properties Listed (37 CFR 3.41):			\$40.00			
Method of Paym Deposit Account	1	Enclosed X Deposit Acco		Deposit Account			
(Enter for payment by deposit account or if additional fees can be charged to the account).							
				#23-3030			
		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 indicated herein.							
John V. DaniluckOrm V Game uccApril 3, 2001Name of Person SigningSignatureDate				pril 3, 2001 Date			

## ASSIGNMENT

WHEREAS, Alvin U. Chen of 3364 Peppermill Drive, West Lafayette, Indiana 47906 and Osman A. Basaran of 848 LaGrange Street, West Lafayette, Indiana 47906, hereinafter referred to as Assignors, have made a new and useful invention in **METHOD AND APPARATUS FOR PRODUCING DROPS USING A DROP-ON-DEMAND DISPENSER** for which Assignors have made application for Letters Patent of the United States; and

WHEREAS, Purdue University Research Foundation, hereinafter referred to as Assignee, a corporation of the State of Indiana, having a principal place of business at the Office of Technology Commercialization, 1291 Cumberland Avenue, Suite F, West Lafayette, Indiana 47907, desires to acquire all of the entire right, title, and interest in, to and under said Invention disclosed, described and/or claimed, or intended so to be in said application, and in, to and under said application, and in, to and under any and all Letters Patent, United States and foreign, which may be obtained therefor and thereon;

NOW, THEREFORE, To All Whom It May Concern effective as of November 19, 1999, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other good, valuable and sufficient considerations to Assignors in hand paid, the receipt of which is hereby acknowledged, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto Assignee, all of the entire right, title and interest in, to and under said invention disclosed, described and claimed or intended so to be in said application, and in, to and under said application for United States Letters Patent executed by Assignors this 6th day of December, 2000, and any and all other applications thereon and arising therefrom, including any and all divisions and continuations thereof, and any and all patents to be issued and obtained therefor and thereon, United States and foreign, including all reissues and extensions thereof.

Assignors hereby authorize and request the firm of Woodard, Emhardt, Naughton, Moriarty & McNett of Bank One Center/Tower, 111 Monument Circle, Suite 3700, Indianapolis, IN 46204-5137 to insert here in parentheses (Serial No. 09/716,576, Filed November 20, 2000) the date and serial number of said application when officially known, and Assignors hereby authorize and request the Honorable Commissioner of Patents to issue said Letters Patent to Assignee, its assigns and legal representatives.

Assignors agree to sign and execute any and all other papers necessary or desirable for the procurement of Letters Patent on said Inventions in this and all foreign countries for the use of Assignee.

ASSIGNMENT Attorney Docket No. 7024-483 Page 1 of 3 WITNESS Assignor's hand this <u>6</u> day of <u>lecember</u>, 2000.

Alvin U. Chen

STATE OF INDIANA ): SS COUNTY OF TIPPecANDE

Before me, a Notary Public, in and for said County and State, personally appeared Alvin U. Chen, who, being first duly sworn upon his oath, acknowledged the execution of the foregoing "Assignment" as his voluntary act and deed.

WITNESS my hand and Notarial Seal this long day of December, 2000.

<u>Heselembundle</u> Notary Public

Printed: Gisele mloindler

Resident of Benton

My Commission Expires:

May 29,2008

\_ County ATE OF INDIANA CRAIMISSICN EXP. AUG. 17,2001 **GISELE M WINDLER** PUBLIC STATE OF INDIANA BENTON COUNTY COMMISSION EXP. MAY 29,2008

ASSIGNMENT Attorney Docket No. 7024-483 Page 2 of 3

> PATENT REEL: 11691 FRAME: 0427

WITNESS Assignor's hand this <u>6</u> day of <u>December</u>, 2000.

Osman A. Basaran

STATE OF INdiAna ) : SS COUNTY OF TIDDe CANUE

Before me, a Notary Public, in and for said County and State, personally appeared Osman A. Basaran, who, being first duly sworn upon his oath, acknowledged the execution of the foregoing "Assignment" as his voluntary act and deed.

WITNESS my hand and Notarial Seal this 6 day of ferm 2000.

Mundler

Printed: <u>Cisebe mbindlor</u>

Resident of <u>Renton</u> County

My Commission Expires:

**GISELE M WINDLER** NOTARY PUBLIC STATE OF INDIANA BENTON COUNTY MY COMMISSION EXP. MAY 29,2008

ASSIGNMENT Attorney Docket No. 7024-483 Page 3 of 3

RECORDED: 04/09/2001