FORM PTO-14940 11-18:99 12-01-1999	SHEET U.S. DEPARTMENT OF COMMERCE	
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To the Honorable Commissioner of	the attached original documents of doby thereof.	
1. Italic of conveying party (loo).	∠. Name and address of receiving party(ies):	
Tonen Corporation 1-1-39. Hiroo, Shibuya-ku	Name: Advanced Life Science Institute Inc.	
Tokyo, Japan	Internal Address:	
Additional name(s) of conveying party(ies) attached?	1-3-1, Nishi-tsurugaoka, Ohi-machi	
3. Nature of conveyance:	Iruma-gun, Saitama, Japan	
X Assignment ☐ Merger	Street Address:	
Security Agreement Change of Name		
☐ Other	City: State: ZIP:	
Execution Date: September 30, 1999	Additional name(s) & address(es) attached?	
4. Application number(s) or patent number(s):		
If this document is being filed together with a new application		
A. Patent Application No.(s)	B. Patent No.(s)	
	5,800,982	
Additional numbers at	ached? Yes X	
C. Name and address of party to whom approximations		
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: David G. Conlin	7. Total fee (37 CFR 3.41)	
Internal Address: Dike, Bronstein, Roberts		
internal Address. Dike, Diolistem, Roberts		
& Cushman, LLP	X Enclosed	
	<ul><li>X Enclosed</li><li>☐ Authorized to be charged to deposit account</li></ul>	
& Cushman, LLP  Street Address: 130 Water Street	Authorized to be charged to deposit account	
& Cushman, LLP	Authorized to be charged to deposit account	
& Cushman, LLP  Street Address: 130 Water Street  City: Boston State: MA 02109	Authorized to be charged to deposit account  8. Deposit account number:	
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& Cushman, LLP  Street Address: 130 Water Street  City: Boston State: MA 02109  DO NO:  9. Statement and signature.  To the best of my knowledge and belief, the foregoing inform.	Authorized to be charged to deposit account  8. Deposit account number:  (Attach duplicate copy of this page if paying by desosit account)  USE THIS SPACE	
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& Cushman, LLP  Street Address: 130 Water Street  City: Boston State: MA 02109  DO NOT  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information of the best of my knowledge and belief, the foregoing information of Person Signing  Total number of pages including Mail documents to be recorded with Commissioner of Patents & Washington	Authorized to be charged to deposit account  8. Deposit account number:  (Attach duplicate copy of this page if paying by desist account)  USE THIS SPACE  mation is true and correct and any attached copy is a true copy of Signature  Signature  Date  Lover sheet, attachments, and document:  h required cover sheet information to: Trademarks, Box Assignments	
& Cushman, LLP  Street Address: 130 Water Street  City: Boston State: MA 02109  DO NOT  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information of the best of my knowledge and belief, the foregoing information of Person Signing  Total number of pages including Mail documents to be recorded with Commissioner of Patents & Washington	Authorized to be charged to deposit account  8. Deposit account number:  (Attach duplicate copy of this page if paying by desist account)  USE THIS SPACE  mation is true and correct and any attached copy is a true copy of Signature  Signature  Date  Lover sheet, attachments, and document:  h required cover sheet information to: Trademarks, Box Assignments	

PATENT PATENT REEL: 010395 FRAME: 0800

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Docket No. 42.822FWC

## **ASSIGNMENT**

## KNOW ALL MEN BY THESE PRESENTS, THAT

WHEREAS, TONEN CORPORATION (hereinafter called "Assignor"), to which an assignment of the entire rights, title and interest in United States Letters Patent Number 5,800,982, issued September 1, 1998, and the inventions disclosed therein, and

WHEREAS, Advanced Life Science Institute, Inc., a corporation duly organized under the laws of Japan, and having a regular and established place of business at 1-3-1, Nishi-tsurugaoka Ohi-machi, Iruma-gun, Saitama, Japan, for the benefit of itself, its successors and assigns, all inclusively hereinafter referred to as the Assignee, is desirous of acquiring the entire right, title and interest in and to said Letters Patent of the United States and to the inventions disclosed therein; and

NOW, THEREFORE, BE IT KNOWN THAT FOR and in consideration of one dollar and other valuable considerations paid to the Assignor by the Assignee, the receipt of which is hereby acknowledged, the Assignor does hereby sell, assign and transfer unto said Assignee, its entire right, title and interest in and to said United States Letters Patent Number 5,800,982, entitled ANTIGENIC PEPTIDES FOR GROWING HEPATITIS C VIRUS, KIT COMPRISING THE SAME AND METHODS FOR ITS GROUPING USING THE SAME, issued September 1, 1998, including the right to sue for past damages, and in and to all divisions, continuations, reissue and reexamined patents which have been or shall be issued in the United States based in whole or in part thereon.

Assignor covenants with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreements affecting the rights and property herein conveyed has been made to others by the Assignor, and that full right to convey the same as herein expressed is possessed by the Assignor.

TONEN CORPORATION					
By: Signature Michim	asa Nagatani	Date: <u>Septemk</u>	<u>per 30, 19</u> 99		
Title: Director					
Then personally appea above named free act and deed.					
	Notary Public				

**RECORDED: 11/18/1999** 

PATENT | REEL: 010395 FRAME: 0801