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To the Director of the United States Patent and Trademark Office. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): (1) Naoto TONOUCHI AJINOMOTO CO., INC. Name: (2) Sonoko SUZUKI Address: 15-1, Kyobashi 1-chome, Chuo-ku, Tokyo 104-(3) Kenzo YOKOZEKI 8315 Japan (4) Hiroyuki NOZAKI (5) Masakazu SUGIYAMA Additional name(s) of conveying party(ies) attached?

Yes No 3. Nature of Conveyance: ☐ Merger Assignment ☐ Security Agreement ☐ Change of Name □ Other Execution Date: December 19, 2003 Additional name(s) and address(es) attached? 🗌 Yes 📕 No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: December 19, 2003 B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached?

Yes No 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Customer Number Enclosed ☐ Authorized to be charged to deposit account Tel. (703) 413-3000 8. Deposit account number: 15-0030 Fax. (703) 413-2220 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. 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. Stephen G. Baxter Name of Person Signing Vincent K. Shier, Ph. D. Registration Number: 32,884 Registration Number 50,552 Total number of pages including this cover sheet: 3 Do not detach this portion

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> **PATENT** REEL: 014929 FRAME: 0049

Assignment of Application

Page 1 of 2

WHEREAS, I (WE)	Naoto TONOUCHI, Sonoko SUZU	JKI, Kenzo YOKOZEKI, Hiroyuki NOZA	KI and		
Masakazu SUGIYAMA					
	c/o Ajinomoto Co., Inc.				
		awasaki-shi, Kanagawa 210-8681 Japan			
			, respectively,		
have invented certain r		TIDE-FORMING ENZYME GENE,			
PEPTIDE-FORMING	G ENZYME, AND PEPTIDE PRODU	CING METHOD			
	on for Letters Patent was executed on				
(hereinafter referred to	as "ASSIGNEE") having a place of b	usiness at:			
15-1, Kyobashi 1-cho	me, Chuo-ku, Tokyo 104-8315 Japan				
is desirous of acquiring	g the entire right, title and interest in a	nd to said invention and in and to any Let	ters Patent that		

may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

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Page 2 of 2

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:	Dec. 19,	2003	_ Nort	Low
			(Signature of Inventor)	Naoto TONOUCHI
Date:	Dec. 19,	2003	Sonoko	Sujuki' Sonoko SUZUKI
Date:	Dec. 19,	2003	Kenzo	Pakozeki Kenzo YOKOZEKI
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			(Signature of Inventor)	Hiroyuki NOZAKI
Date:	Dec. 19,	_2003	masukuzu	Sugge me
			(Signature of Inventor)	Masakazu SUGIYAMA
Date:				
			(Signature of Inventor)	
Date:				
			(Signature of Inventor)	
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			(Signature of Inventor)	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

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