1) Ikuko MASUDA 2) Tosho ICHIKAWA 2) Tosho ICHIKAWA 2) Tosho ICHIKAWA 3) Name: KIKKOMAN CORPORATION Name: KIKKOMAN CORPORATION Internal Address: 3. Nature of conveying party(les) attached? (I yes (I to Not an internal Address) Street Address: 250, Noda, Noda-shi, Chiba 278-8601 Japan City: Security			_		
To the Honorable Commissionar of pages record the attached original 102113167 1. Name of conveying party(les): 1) likuko MASUDA 2) Toshio (CHIKAWA 2) Toshio (CHIKAW	FC	• •		т	Patent and Trademark Office Attorney Docket No. 04853.0091
1. Name of conveying party(les): 1) likuko MASUDA 2) Toshlo ICHIKAWA 2) Toshlo ICHIKAWA 3. Nature of conveyance: 3. Nature of conveyance: 3. Nature of conveyance: Street Address: 3. Noda-shi, Chiba 278-8601 Japan City: Agreement 3. Additional name(s) & Address(es) attached? Agreement 3. Additional name(s) & Address(es) attached? Patent Number(s): B. Patent Number(s): Additional name(s) & Address(es) attached? Addit			((Saist man and		ATTN. BOX ASSIGNMENTS
Additional name(s) of conveyance: Street Address: 250, Noda, Noda-shi, Chiba 278-8601 Japan	1.	Name of conveying party(ies):	102110101 _	2.	Name and address of receiving party(ies):
Assignment			5/2//02	Name:	KIKKOMAN CORPORATION
Assignment	Addition	al name(s) of conveying party(ies) attached? ☐ Yes ☒ No	Internal	I Address:
Assignment	3.	Nature of conveyance:		Street A	
Additional name(s) & Address(es) attached? Sexecution Date: May 7, 2002	\boxtimes	Assignment	rger	City:	2 =
Execution Date: May 7, 2002 Yes No		Agreement	ange of Name	State:	Zip Code:
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: May 7, 2002 A. Patent Application Number(s): Additional numbers attached? B. Patent Number(s): Additional numbers attached? Yes No		Other:		Addition	nal name(s) & Address(es) attached?
A. Patent Application: May 7, 2002 A. Patent Application Number(s): Additional numbers attached? S. Name and address of party to whom correspondence concerning document should be mailed: Name: Mr. Ernest F. Chapman Mr. Ernest F. Chapman FinNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. Street Address: 1300 I Street, N.W. City: Washington, D.C. State: Zip: 20005-3315 S. Deposit Account No.: 06-0916 8. Deposit Account No.: 06-0916 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 following many comments. Ernest F. Chapman Reg. No. 25,961 Total number of pages including cover sheet, attachments and documents: 3	Execution	on Date: May 7, 2002			☐ Yes ☐ No
Additional numbers attached? Name and address of party to whom correspondence concerning document should be mailed: Name: Mr. Ernest F. Chapman 7. Total fee (37 CFR 3.41): \$40 Enclosed (Please charge deficiency to deposit account) Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. Street Address: 1300 i Street, N.W. City: Washington, D.C. State: Zip: 20005-3315 8. Deposit Account No.: 06-0916 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. Emest F. Chapman Reg. No. 25,961 Total number of pages including cover sheet, attachments and documents: 3	4.		number(s): If this document is be	eing filed	together with a new application, the execution date of
Additional numbers attached? Yes No	A.	Patent Application Number(s):		B.	Patent Number(s):
Name: Mr. Ernest F. Chapman 7. Total fee (37 CFR 3.41): \$40 ☐ Enclosed (Please charge deficiency to deposit account) ☐ Authorized to be charged to deposit account Street Address: 1300 I Street, N.W. City: Washington, D.C. State: Zip: 20005-3315 8. Deposit Account No.: 06-0916 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. Ernest F. Chapman Reg. No. 25,961 Total number of pages including cover sheet, attachments and documents: 3	/			 □ Yes	⊠ No
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Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. Street Address: 1300 I Street, N.W. City: Washington, D.C. State: Zip: 20005-3315 8. Deposit Account No.: 06-0916 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. Ernest F. Chapman Reg. No. 25,961 Signature Date Total number of pages including cover sheet, attachments and documents: 3	Name:	Mr. Ernest F. Chapman		7.	Total fee (37 CFR 3.41): \$40
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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. Ernest F. Chapman Reg. No. 25,961 Total number of pages including cover sheet, attachments and documents: 3	City:	Washington, D.C.		<u> </u>	Descrit Account No.: 06-0916
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. Ernest F. Chapman Reg. No. 25,961 Signature Total number of pages including cover sheet, attachments and documents: 3	State:	Zip:	20005-3315	8.	Deposit Account No.: 00-0310
Ernest F. Chapman Reg. No. 25,961 Total number of pages including cover sheet, attachments and documents: 3	9.	Statement and signature.			a true gapy of the origins
Ernest F. Chapman Reg. No. 25,961 Signature Signature Total number of pages including cover sheet, attachments and documents: 3	To the	best of my knowledge and belief, ent.	the foregoing information is true	and corre	rect and any attached copy is a true copy of the original
Ernest F. Chapman Reg. No. 25,961 Signature Signature Total number of pages including cover sheet, attachments and documents: 3			411	///	May 29, 2002
		Reg. No. 25,961			Date
	,	Total number	of pages including cover sheet,	attachme	ents and documents: 3
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PATENT REEL: 012949 FRAME: 0369

Attorney's Docket No.:_____Assignment of Application

WHEREAS, I (WE) Ikuko MASUDA and Toshio ICHIKAWA of	f all c/o					
Kikkoman Corporation, 250, Noda, Noda-shi, Chiba 278-8601 Japan						
, r	respectively,					
have invented certain new and useful improvements in:						
A sorbitol dehydrogenase gene, a novel recombinant I	ONA,					
and a process for producing sorbitol dehydrogenase						
for which an application for Letters Patent was executed on May	7, 2002					
(Application No,filed),and					
WHEREAS, Kikkoman Corporation						
(hereinafter referred to as "ASSIGNEE") having a place of business	s at:					
250, Noda, Noda-shi, Chiba 278-8601 Japan						
is desirous of acquiring the entire right, title and interest in and to	said invention					
and in and to any Letters Patent that may be granted therefore	in the United					
States and its territorial possessions and in any and all foreign cou						

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 official of 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,

PATENT REEL: 012949 FRAME: 0370 as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its legal representatives and assigns covenant and 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 FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER L.L.P., of 1300 I Street, N.W., Washington, D.C. 20005 U.S.A. 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: May 7, 2002	Skuko Masuda	
D 400.	(Signature of inventor)	
	Ikuko MASUDA	
	Toshio Ichikawa	
Date: May 7, 2002	(Signature of inventor)	
	Toshio ICHIKAWA	

RECORDED: 05/29/2002

PATENT REEL: 012949 FRAME: 0371