10-08- MED 10-5-99 F 101165	PATENT
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	e record the attached original document(s) or copy(ies).
Submission Type New	Conveyance Type Assignment Security Agreement
Resubmission (Non-Recordation)	☐ License ☐ Change of Name
Document ID#: 101095945	☐ Merger ☐ Other ☐
Correction of PTO Error	U.S. Government
Reel #: Frame #	(For use ONLY by U.S. Government Agencies)
○ Corrective Document	
Reel # : 010097 Frame # 0371	☐ Departmental File ☐ Secret File
Conveying Party(ies) Name Kazuki Yano	Mark if additional names of conveying parties attached Execution Date Month Day Year 05/12/99
Name Fumie Kobayashi	
	05/13/99
Name Masaaki Goto	05/13/99
Name Noahiro Washida	05/12/99
Name Eisuke Tsuda	05/12/99
Receiving Party	Mark if additional names of receiving parties attached
Name (line 1) Snow Brand Milk Products Co., Ltd	d. If document to be recorded
	is an assignment and the
Name (line 2)	receiving party is not
Address (Cardy Add Nashada Cabasa (Cardy)	domiciled in the United
Address (line 1) 1-1, Naebocho 6-chome, Higashi-k	
Address (line 2)	domestic representative is attached. (Designation must
Address (me 2)	be a separate document from
Address (line 3) Hokkaido Japan	065-0043 Assignment)
City State/Country	
Domestic Representative Name and Address	
Name	and the morning rully only!
Address (line 1)	
Address (line 2)	
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Page 2 PATENT
Correspondent Name and Address
Area Code and Telephone Number (617) 248-7000
Name Patent Administrator
Address (line 1) Testa, Hurwitz & Thibeault, LLP
Address (line 2) High Street Tower
Address (line 3) 125 High Street
Address (line 4) Boston, MA 02110
Pages Enter the total number of pages of the attached conveyance document
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).
Patent Application Number(s) 09/308,800 ————————————————————————————————
Patent Cooperation Treaty (PCT) Enter PCT application number PCT
lumber of Properties Enter the total number of properties involved. # One
Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00
Method of Payment: Enclosed ☑ Deposit Account ☐ Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account) Deposit Account Number # 20-0531
Authorization to charge additional fees: Yes 🔀 No 🔝
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.
Ronda P. Moore, D.V.M. Name of Person Signing Conda P. Mare D.V.M. 10/1/99 Date

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REEL: 010333 FRAME: 0104

		Page 3	PATENT
Conveying Party(ies)		Mark if additional name	s of conveying parties attached Execution Date
Name	Kanji Higashio		Month Day Year 05/12/99
Name	Yoshiji Yamada		05/17/99
Name			
Name			
Name			

07-21-1999 101095945 HEET RE. PATENTS ONLY Commissioner of Patents and Trademarks: Please record the attached original docuraent(s) or copy(ies) Conveyance Type Submission Type **Security Agreement** M New **Change of Name** License Resubmission (Non-Recordation) Merger Other **Document ID#: U.S. Government Correction of PTO Error** (For use ONLY by U.S. Government Agencies) Reel #: Frame # **Corrective Document** ☐ Departmental File □ Secret File Reel #: Frame # rk if additional names of conveying parties attached Conveying Party(ies) **Execution Date** Month Day Year 05/12/99 Name Kazuki Yano 05/13/99 Name | Fumie Kobayashi 05/13/99 Masaaki Goto Name 05/12/99 Noahiro Washida Name 05/12/99 Name Eisuke Tsuda **Receiving Party** Mark if additional names of receiving parties attached If document to be recorded Name (line 1) Snow Brand Milk Products Co., Ltd. is an assignment and the receiving party is not Name (line 2) domiciled in the United States, an appointment of a Address (line 1) 1-1, Naebocho 6-chome, Higashi-ku, Sapporo-shi domestic representative is attached. (Designation must Address (line 2) be a separate document from Assignment) 065-0043 Address (line 3) | Hokkaido Japan Zip Code State/Country **Domestic Representative Name and Address** Enter for the first Receiving Party only. Name Address (line 1) Address (line 2) Address (line 3)

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	Page 2	PATENT
Correspondent Name and Address	g.	
•	and Telephone Number [(617) 248-7000
Name Detent Administrator		
Name Patent Administrator		
Address (line 1) Testa, Hurwitz & Thibea	ult, LLP	
Address (line 2) High Street Tower		
Address (line 3) 125 High Street		
Address (line 4) Boston, MA 02110		
Pages Enter the total number of pages	of the attached conveyan	ce document
including any attachments.		2
Application Number(s) or Patent Number of Enter either the Patent Application Number of		Mark if additional numbers attached ENTER BOTH numbers for the same property).
Patent Application Number(s)	Patent Number(s)
• 08/308,800		
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Patent Cooperation Treaty (PCT)		
Enter PCT application number PCT only if a U.S. Application Number	r PCT	PCT
has not been assigned. PC	РСТ	PCT
Number of Properties Ent	er the total number of pro	perties involved. # One
Fee Amount Fee A	mount for Properties Liste	ed (37 CFR 3.41): \$ 40.00
Method of Payment: Enclosed ⊠	1	Deposit Account 🗌
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(Enter for payment by deposit decount of it additional	_	Account Number # 20-0531
	Authorization to charg	ge additional fees: Yes 🔀 No 🗍
Statement and Signature		
To the best of my knowledge and be		•
attached copy is a true copy of the cas indicated herein.	originai document. Cha	arges to deposit account are authorized,
Ronda P. Moore, D.V.M.		N 1 100 A 1 1 1 1000
	- Worda 1. 14w	4. V. VIII July 16, 1577
Name of Person Signing	* Signatur	e // () Date

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		Page 3	PATENT
Conveying Party(i	es)	Mark if additional nam	es of conveying parties attached Execution Date Month Day Year
Name	Kanji Higashio		05/12/99
Name	Yoshiji Yamada		05/17/99
Name			
Name			
Nama			

ASSIGNMENT

WHEREAS, We, Kazuki Yano, Fumie Kobayashi, Masaaki Goto, Naohiro Washida, Eisuke Tsuda, Kanji Higashio and Yoshiji Yamada have invented one or more improvements in:

METHOD FOR DIAGNOSIS OF METABOLIC BONE DISEASES

described in an application (or provisional application) for Letters Patent of the United States:

identified by Attorney Docket No. FJN-074, and/or executed by us of even date herewith and about to be filed in the United States Patent Office;

Serial No.09/308,800 filed in the United States Patent Office on July 31, 1998 and

WHEREAS, Snow Brand Milk Products Co., Ltd. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of Japan, and having a usual place of business at 1-1, Naebocho 6-chome, Higashi-ku, Sapporo-shi, Hokkaido 065-0043, Japan desires to acquire an interest therein, in accordance with agreements duly entered into with us:

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the inventions described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under international convention, including but not limited to continuations, divisionals, reissues, and reexaminations of said application of such Letters Patent; said inventions, applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, 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 us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said inventions, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE for its own name as assignee of our entire right, title and interest therein.

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including: the execution of applications for patents in foreign countries; the execution of substitution, reissue, divisional or continuation applications; and preliminary or other statements or the giving of testimony in any interference or other proceeding in which said inventions or any application or patent directed thereto may be involved; and

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Joint Assignment Page 2

we further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on that date of our execution of this assignment;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Date: May 12 1999	Inventor: Kazuki Jano Kazuki Yano
Date: May 13 1999	Inventor: <u>Fumie Kohayashi</u> Fumie Kobayashi
Date: /may 13 1999	Inventor: masaaki Goto Masaaki Goto
Date: May 12, 1999	Inventor: Noahiro Washida
Date: May 12 1999	Inventor: <u>Cisuke</u> Jouda Eisuke Tsuda
Date: May 12 1999	Inventor. Kanji Higashio
Date: May 17, 1999	Inventor: Yoshiyi Yamada.

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RECORDED: 10/05/1999

PATENT REEL: 010333 FRAME: 0110