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PATENT REEL: 021212 FRAME: 0480

ASSIGNMENT

	In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned				
	JAPAN SCIENCE AND TECHNOLOGY AGENCY				
Insert Name(s) of Inventor(s)					
	the and engine of beauty, and and and and and				
Insert Name(s)	the undersigned hereby sell(s) and assign(s) to				
of Assignee(s)	Hitoshi ENDO				
Address	of 24-4, Jyoto 2-chome, Oyama-shi, Tochigi, JAPAN				
Title of Invention	(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as				
	HUMAN MITOCHONDRIAL PROTEINS AND POLYNUCLEOTIDE ENCODING THE PROTEINS				
Date of Signing of	for which an application for patent in the United States has been executed by the undersigned				
Application	on_ August 13, 2003				
	The word are seed as seed to the seed of t				

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignce.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

PATENT REEL: 021212 FRAME: 0481

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The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, D.C. 20006-1021, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordal of this document.

In witness where	of, executed by the und	lersigned on the date(s) o	pposite the undersigned name(s).
Date November 16,	2007	Mickey	Executive Director
Date		Michio OBARA,	Executive Director
Date			
execution by the Inventor(s Witness	Toshio NYSHIZA	at least two witnesses who	States Consul. If not, then the o sign here.)
	} ss		
This	day of	, 20	, before me personally came the
above-named	the foregoing assignment for the purposes therein s	it, who did acknowledge to set forth.	to me personally known as the me that he (they) executed the same
SEAL			Official Signature
			Official Title
The above applica	- tion may be more particu	nlarly identified as follows:	
U.S. Application Serial No	o. <u>10/470,554</u>	Filing Date Octobe	er 20, 2 00 3
U.S. Patent No. 7.026,452		Issue Date: April 1	1, 2006
Applicant Reference Number 01-F-042US/YS Atty Docket No		Atty Docket No. 2	003 1041A
Title of Invention <u>HUMAN</u>	MITOCHONDRIAL PE	ROTEINS AND POLYNU	CLEOTIDE ENCODING THE

PATENT REEL: 021212 FRAME: 0482