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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Yoshikazu OHTA TAKEDA PHARMACEUTICAL COMPANY LIMITED Shinji TAKAGI 1-1, Doshomachi 4-chome, Chuo-ku Osaka-shi, Osaka 541 0045 **JAPAN** Additional name(s) of conveying party(ies) attached?

Yes
No Nature of conveyance: Assignment Merger Security Agreement Change of Name Other: Execution Date: November 8, 2007 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 27, 2007. A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: 1 document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Narae: Douglas P. Mueller Enclosed Address: Hamre, Schumann, Mueller & Larson P.C. Authorized to be charged to Deposit Account 50-3478 P. O. Box 2902 8. Please charge any additional fees or credit any Minneapolis, MN 55402 overpayments to our Deposit account number: 50-3478 t DO NOT USE THIS SPACE 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. Douglas P. Mueller December 27, 2007 Name of Person Signing Signature Date Do not detach this portion Mail documents to be recorded with required cover sheet information to:

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> PATENT REEL: 020340 FRAME: 0322

ASSIGNMENT OF PATENT APPLICATION

WHEREAS,

- 1. Yoshikazu OHTA residing at c/o Takeda Pharmaceutical Company Limited, 10, Wadai, Tsukuba-shi, Ibaraki 300-4293 Japan and a citizen of Japan
- 2. Shinji TAKAGI residing at c/o Takeda Pharmaceutical Company Limited, 10, Wadai, Tsukuba-shi, Ibaraki 300-4293 Japan and a citizen of Japan

(hereinafter called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States for this invention which was filed on , entitled METHOD FOR TREATING CANCER, and which has been given application serial number ;

and

WHEREAS Takeda Pharmaceutical Company Limited (hereinafter "ASSIGNEE") a corporation organized under the laws of Japan and having an office and place of business at 1-1, Doshomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0045 Japan wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign, and transfer to the ASSIGNEE, its successors, legal representative and assigns, the entire right, title and interest for the United States in and to the invention disclosed in said application, and in and to said application, as well as to all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents of the United States to issue all Letters Patent for said invention to the ASSIGNEE of the entire right, title and interest in and to the same, in accordance with the terms of this instrument.

PATENT REEL: 020340 FRAME: 0323

THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to the UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, it successors or assigns, the entire right, title and interest in and to the said invention, patent applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said ASSIGNEE, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by the UNDERSIGNED.

IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

November 8, 2007

Shinji TAKAGI

PATENT **RECORDED: 12/27/2007** REEL: 020340 FRAME: 0324