

Atty Docket No.: 273843US-2-SD

FORM PTO-1595  
06-04

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1. Name of conveying party(ies):  
Banyu Pharmaceutical Co., Ltd.  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Name: Novartis AG  
Address: Lichstrasse 35  
CH-4056 Basel  
Switzerland  
  
Additional name(s) and address(es) attached?  Yes  No

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
  
Execution Date: March 18, 2005

4. Application number(s) or patent number(s):  
 This document is being filed together with a new application

A. Patent Application No.(s)  
  
Additional numbers attached?  Yes  No

B. Patent No.(s)  
5,231,183  
5,296,612  
5,359,091  
5,440,049  
5,436,354

5. Name and address of party to whom correspondence concerning document should be mailed:  
  
Customer Number  
**22850**  
Tel. (703) 413-3000  
Fax. (703) 413-2220

6. Total applications and patents involved: 5  
  
7. Total fee (37 CFR 3.41): \$200.00  
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*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.*  
  
\_\_\_\_\_  
Marvin J. Spivak  
Name of Person Signing

\_\_\_\_\_  
Signature

\_\_\_\_\_  
6/27/05  
Date

Registration Number: 24,913

Total number of pages including this cover sheet: 5

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700190698

**PATENT  
REEL: 016418 FRAME: 0434**

OP \$200.00 5231183



Case No. 27784

**PATENT ASSIGNMENT**

**THIS PATENT ASSIGNMENT** is executed as of the 18th day of March, 2005 by and between Banyu Pharmaceutical Co., Ltd., a corporation organized under the laws of Japan, having its principal place of business at 2-3 Nihombashi-honcho 2-chome, Chuo-ku Tokyo 103-8416 Japan ("**Assignor**") and Novartis AG, a corporation organized and existing under the laws of Switzerland, having its principal place of business at Lichtstraße 35, CH-4056 Basel, Switzerland ("**Assignee**").

Whereas, the Assignor is the owner of all right, title and interest in, to and under the patents set forth in Schedule 1 attached hereto ("**the Patents**").

Whereas, the Assignee is desirous of acquiring or confirming all right, title and interest in, to and under the Patents.

To effect such transactions and in consideration of the foregoing and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound hereby, the parties agree as follows:

**TERMS**

**Section 1 Assignment.** The Assignor hereby conveys, transfers, assigns to, and confirms in the Assignee or an affiliate or designee of the Assignee all right, title and interest in, to and under the Patents, the use of such Patents, the enforcement and defense of such Patents, and all extensions, renewals, reissues, and reexaminations of the foregoing, the right to sue for past, present and future infringement, the right to prosecute reissues and reexaminations, and all rights corresponding thereto.

**Section 2 Authorization for Transfer.** The Assignor hereby authorizes the empowered officials of any applicable governments or patent granting bodies, anywhere in the world, to transfer all of the Patents and corresponding rights, and the Assignor's entire right, title and interest therein as the Assignee may direct, in accordance with this Assignment.

**Section 3 Further Assistance.** Assignor binds itself and its successors to execute any writings or instruments and perform any acts necessary or appropriate to carry out this Assignment.

*[Signature Page Follows]*

IN WITNESS WHEREOF, the parties have caused this Patent Assignment to be  
cutted as of the date first above written.

**(“ASSIGNOR”)**

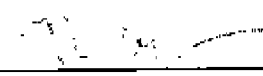
**BANYU PHARMACEUTICAL CO., LTD.**

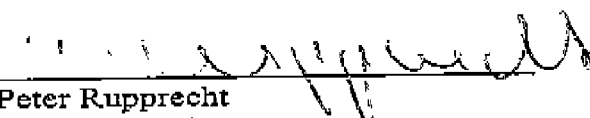
By:   
Haruhiko Hirate  
Representative Director and President

s Assignment is accepted on behalf of:

**(“ASSIGNEE”)**

**NOVARTIS AG**

By:   
Dr. Thomas Huggenberger  
Authorized Signatory

By:   
Peter Rupprecht  
Authorized Signatory

**SCHEDULE 1**  
**PATENT RIGHTS**

Country	Priority Application Number	Application Number	Issued Patent Number	Title of Invention or Subject Matter	Date of Patent Issue
EUROPE (Germany, United Kingdom, France, Italy, Netherlands, Switzerland, and Liechtenstein)	JP257310/89	90118705.4	0421302; Germany--69027569.2-08; UK - 0421302; France - 0421302; Italy - 0421302; Netherlands - 0421302; Switzerland/Liechtenstein - 0421302	Process for Producing Enyne Derivatives	6/26/96
	JP257310/89	94119245.2	0645369; Germany - 69032859.1; UK - 0645369; France - 0645369; Italy - 0645369; Netherlands - 0645369; Switzerland/Liechtenstein - 0645369	Intermediates for a Process for Producing Enyne Derivatives	12/23/98
UNITED STATES	JP257310/89	07/861,160	5,231,183	Process for Producing Enyne Derivatives	7/27/93
	JP257310/89	07/974,488	5,296,612	Process for Producing Enyne Derivatives	3/22/94
	JP257310/89	08/153,956	5,359,091	Intermediates for Producing Enyne Derivatives	10/25/94
	JP257310/89	08/258,772	5,440,049	Process for Producing Enyne Derivatives	8/8/95
	JP257310/89	08/357,257	5,436,354	Intermediates for Producing Enyne Derivatives	7/25/95
JAPAN	JP257310/89	JP255560/90	3116364	Process for Producing Enyne Derivatives	10/6/00
	JP257310/89	JP258494/99	3173602	Intermediates for Producing Enyne Derivatives	3/30/01
CANADA	JP257310/89	2,026,599	2,026,599	Process for Producing Enyne Derivatives	2/26/02
	JP257310/89	2,351,999	2,351,999	Intermediates for Producing Enyne Derivatives	2/12/02

**For true photocopy of the original document**

BASEL, Switzerland, this 17<sup>th</sup> (seventeenth) day of June 2005 (twothousandandfive).

A handwritten signature in black ink, appearing to be 'R. P. Spivak' with a large flourish at the end.

Leg.Prot.Nr.: 155 /2005