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FORM PTO-1595 (modified)  
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To the Honorable Commissioner of Patents and Trademarks, Please record the attached original documents or copy thereof.

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MABUCHI Hiroshi, SUZUKI Nobuhiro, and MIKI TakashiAdditional name(s) of conveying party(ies) attached? No

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<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
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Execution Date: Sept. 13, 1999 & Sept. 17, 1999

2. Name and address of receiving party(ies):

Name: TAKEDA CHEMICAL INDUSTRIES, LTD.

Internal Address:

Street Address: 1-1, Doshomachi 4 chome, Chuo-kuCity: Osaka, Country: Japan Zip: 540-8645Additional name(s) & address(es) attached? No

4. Application number(s) or patent number(s):

Title: Condensed Cyclic Compounds, Their Production and UseIf this document is being filed together with a new application, the execution date of the application is: Sept. 13, 1999  
& Sept. 17, 1999

A. Patent Application No.(s)

B. Patent No.(s)

09/403066

Additional numbers attached? No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Philippe Y. Riesen  
Takeda Chemical Industries, Ltd.  
Intellectual Property Department

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04 10 Street Address: 1-1-85, Jusohomachi 2-chome,  
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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.*

Philippe Y. Riesen (No. 35,657)  
 Name of the Person signing

Signature

October 6, 1999  
 Date

Total number of pages including cover sheet, attachment, and document: 3

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PATENT  
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## ASSIGNMENT

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**Title of Invention : Condensed Cyclic Compounds, Their Production and Use**

**United States Patent Application :**

☒ [XX] executed concurrently herewith  
[ ] executed on \_\_\_\_\_  
[ ] Serial No. \_\_\_\_\_ Filed \_\_\_\_\_

Each of the undersigned acknowledges that this sale and assignment includes any and all divisions or continuations of said United States Patent application, and any and all Letters Patent of the United States which may issue on any such applications, including any and all reissues or extensions thereof.

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, assist in and testify in any related proceedings including interferences or lawsuits concerning this application or continuation, division or reissue thereof, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to obtain a grant of a valid United States Patent on said invention;

Each of the undersigned hereby grants ASSIGNEE and its legal representatives, the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment and specifically, the power to insert in the space provided above, the filing date and application number of the application when known.

In witness hereof, executed by the undersigned on the date(s) opposite the undersigned names.

NAMES AND SIGNATURES OF INVENTORS		
1.Name: MABUCHI Hiroshi	Signature: <i>Hiroshi Mabuchi</i>	Date: <i>Sep. 13. 1999</i>
2.Name: SUZUKI Nobuhiro	Signature: <i>Nobuhiko Suzuki</i>	Date: <i>Sep. 17. 1999</i>
3.Name: MIKI Takashi	Signature: <i>Takashi Miki</i>	Date: <i>Sep. 13. 1999</i>
4.Name:	Signature:	Date:
5.Name:	Signature:	Date:
6.Name:	Signature:	Date:
NAMES AND SIGNATURES OF WITNESSES*		
Name/KAWAMOTO Tetsuji For: (1), (3)	Signature: <i>Tetsuji Kawamoto</i>	Date: <i>Sep. 13. 1999</i>
Name/SUGINO Eisho For: (1), (3)	Signature: <i>Eisho Sugino</i>	Date: <i>Sep. 3. 1999</i>
Name/ITOH Yasuaki For: (2)	Signature: <i>Yasuaki Itoh</i>	Date: <i>Sep. 17. 1999</i>
Name/NISHI Kazunori For: (2)	Signature: <i>Kazunori Nishi</i>	Date: <i>Sep. 7. 1999</i>
Name/ For:	Signature:	Date:
Name/ For:	Signature:	Date:

\*Notice for Witnesses! Please indicate which inventor(s) you are signing for by writing the corresponding numbers after "For:"