IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Docket: FREEMAN=1A

In re Application of:	)	Confirmation No.: 7402
	)	
Amihay FREEMAN	)	Art Unit: 1616
	)	
Appln. No.: 10/484,623	)	Examiner: Mei Ping CHUI
	)	
Filed: June 15, 2004	)	Washington, D.C.
	)	
For: METHODS AND COMPOSITIONS	)	August 5, 2009
FOR TREATING FUNGAL INFECTIONS	)	

AMENDMENT

Honorable Commissioner for Patents
U.S. Patent and Trademark Office
Customer Service Window
Randolph Building, Mail Stop **Amendment**
401 Dulany Street
Alexandria, VA 22314

Sir:

Responsive to the Office Action of March 5, 2009, please amend as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 13 of this paper.

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:
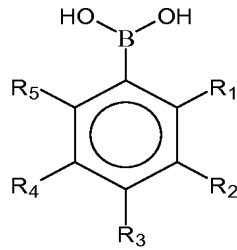
Listing of Claims:

1 (Previously Presented). A method for treating fungal infections comprising administering to an animal or plant afflicted with a fungal infection an effective amount of phenylboronic acid or a water soluble derivative thereof, said water soluble derivative having substantially similar or better antifungal properties for plants or animals as phenylboronic acid.

2 (Original). The method according to claim 1 wherein the fungal infection results from infection with a fungus selected from the group consisting of *T. rubrum, C. parapsilosis, B. cinerea,* and *C. heterostrophus.*

3 (Original). The method according to claim 1 wherein the phenylboronic acid or water soluble derivative thereof is administered topically.

4 (Currently Amended). The method according to claim 1 wherein the ~~derivative of~~ phenylboronic acid <u>or derivative thereof</u> is selected from compounds of the formula:
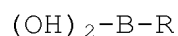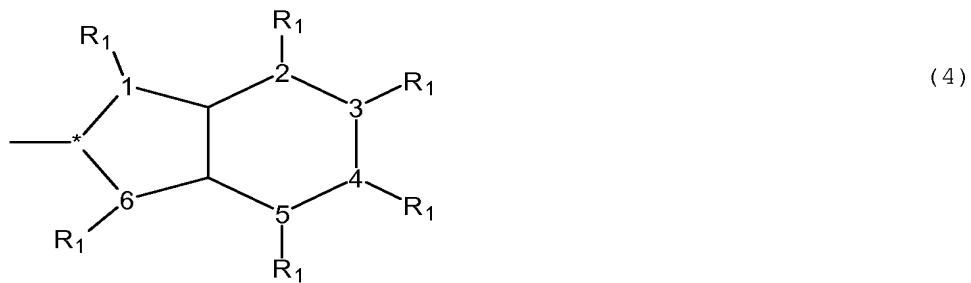
wherein R_1, R_2, R_3, R_4, and R_5 are individually selected from the group consisting of hydrogen, halogen, amino, methanesulfonyl, methoxycarbonyl, substituted or unsubstituted lower alkyl (C_1-C_6 carbon atoms), substituted or unsubstituted lower alkoxy (C_1-C_6 carbon atoms), substituted or unsubstituted aryl (C_6-C_{12} carbon atoms), substituted or unsubstituted aryloxy (C_6-C_{12} carbon atoms), cyano, cycloalkyl, substituted or unsubstituted carboxy sulfate, phosphate, phosphite or hydroxy.
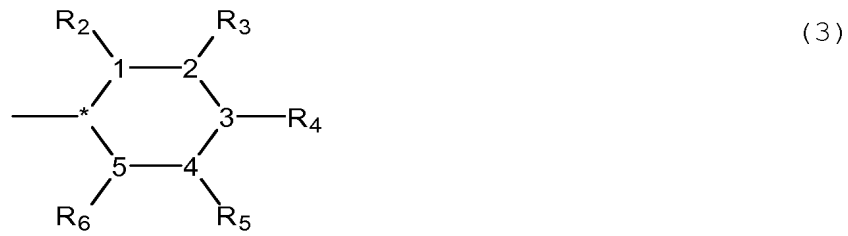
5 (Cancelled).

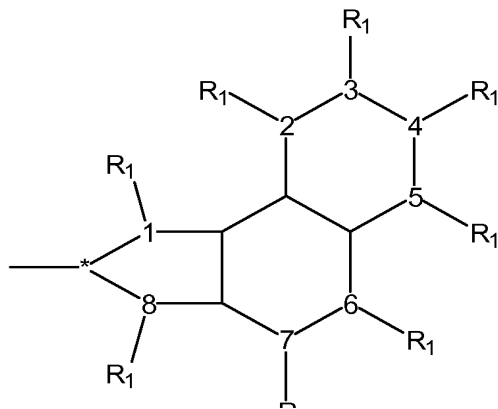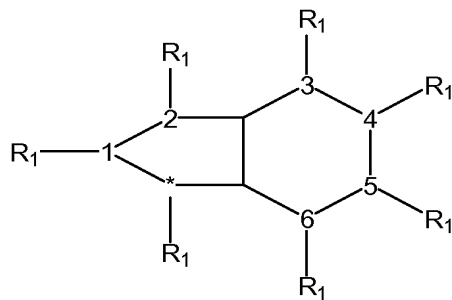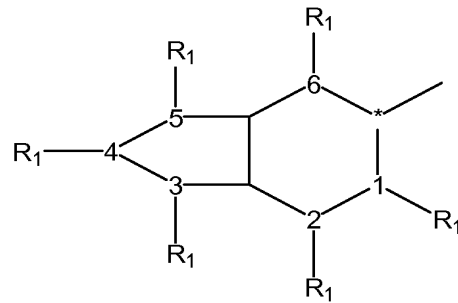6 (Original). The method according to claim 1 wherein the fungal infection is onychomycosis.

7 (Previously Presented). A method for treating fungal infections in an animal or plant comprising administering to a plant or an animal afflicted with a fungal infection an effective amount of a compound selected from compounds of the formula:

$$(OH)_2\text{-}B\text{-}R$$

wherein:

R is substituted or unsubstituted phenyl,

naphthalene, or phenanthrene, or has one of the following

formulas:

(2)

(3)

(4)

(5)

(6)

(7)

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