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Intellectual Property Office

Notification of Reason for Refusal

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A p p l i c a t i o n N o 10-2021-7000289

A p p l i c a t i o n d a t e 2021.01.06.

T i t l e o f I n v e n t i o n The derivative compound introducing the biphenyl group to the aminoalkanoic acid which is novel and the anti-fungal pharmaceutical composition including the same

1. Because of having the reason for refusal like the examination result next about this application and notifying of this according to the article 63 of Patent Act in case it has the opinion or the correction is needed or it wants opinion (the reply, and the Written Reply) to submit the Amendment [form of attached document No.9 of Enforcement Regulation of Patent Act].

2. In the case to extend the submission due date (2021.09.13.), the due date of submission of the can be extended through the request for an extension of designated period to 4 month. In this case, request for the extension has to do by unit of 1 month and 2 month or greater is summed up in the need in the range that does not exceed 4 month and it can request the extension. The Written Substantiation describing the proprietary is additionally attached in the time for to postponing the designated period to the generation (the guideline reference of the lower part) of the inevitable proprietary in excess of 4 month and request for the extension has to be applied.

[Examination result]

☐ Subject of Claim 1-21
examination claim:

☐ The law articles in connection with the part in which it has the reason for refusal of this application

Seque nce numbe r	The part in which it has the reason for refusal	Related law articles
1	Claim 2, and claim 6 to claim 21	The article 42(4)(2) of Patent Act

☐ Claim giving a special The first, and 3-5 claim
permission:

※ The allowable patent claim is the examination opinion at the Notification of Reason for Refusal point of time and the afterward can be changed. Regarding the application, its reason for refusal pointed out should be overcome completely for grant.

[The detailed reason for refusal]

The application cannot be granted for a patent since it cannot satisfy the requisite according to the article 42(4)(2) of Patent Act due to deficiency in the description of claim 2 of the claims, and claim 6 to claim 21 as pointed out below.

- Follows -

Claim 2 comprises the substituent R1 of the chemical formula 1 claim 1 is quoted, 'the cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl' in the definition of the R2, and claim 6 which quotes claim to the work • indirect it cannot look the concisely is written the matters aiming at protection is clear it includes to the part in which claim 2 deviates from the category of the substituent of claim 1 it does not define 'cycloalkyl' corresponding to the upper concept in cited claim 1 in the definition of the R1 to the R3 it includes in the definition of the R3 to the case of being 'cyclopropyl' to the reason for refusal in which claim 21 is identical.

※ 'C3-6 cycloalkyl' is included in the definition of the substituent R1 of claim 1 to the R3 in order to overcome the reason for refusal or 'the cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl' is excepted from the definition of the substituent R1 of claim 2 to the R3. End.