

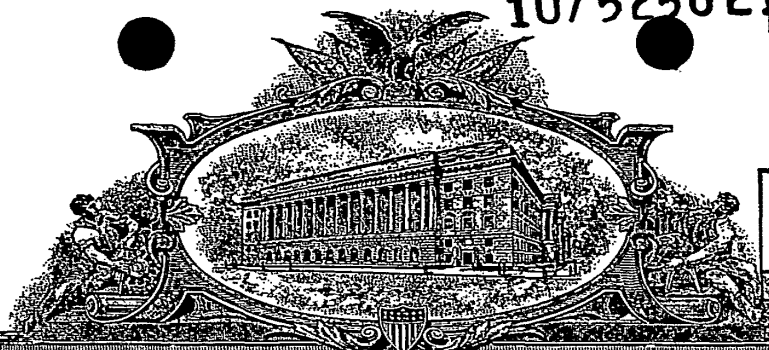
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THE UNITED STATES OF AMERICA

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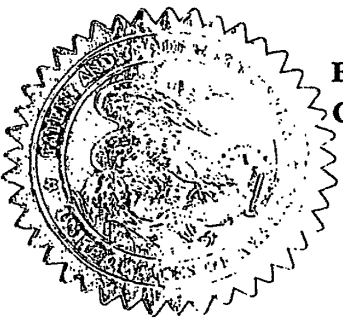
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APPLICATION NUMBER: 60/404,927

FILING DATE: August 22, 2002

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AIP

Box Provisional Application
PTO/SB/16(8-00)

PROVISIONAL APPLICATION FOR PATENT COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 C.F.R. § 1.53 (c).

08/22/02
31129 U.S. PTO

31017 U.S. PTO
60/404927

Filing Date		August 22, 2002		Docket No.		0020-5041P	
INVENTOR(S)/APPLICANT(S)							
Given Name (first and middle (if any))		Last Name		RESIDENCE (CITY AND EITHER STATE OR FOREIGN COUNTRY)			
Mitsutaka Shunsuke Masaaki		NAKAMURA SAMI OGASA		Osaka, Japan Osaka, Japan Osaka, Japan			
<input type="checkbox"/> Additional inventors are being named on the separately numbered sheets attached hereto							
TITLE OF THE INVENTION (280 characters max)							
AN AGENT FOR TREATMENT OF SCHIZOPHRENIA							
CORRESPONDENCE ADDRESS							
Birch, Stewart, Kolasch & Birch, LLP or Customer No. 2292 P.O. Box 747 Falls Church							
STATE	VA	ZIP CODE	22040-0747	COUNTRY	U.S.A.		
ENCLOSED APPLICATION PARTS (check all that apply)							
<input checked="" type="checkbox"/> Specification		Number of Pages. 16		<input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76.			
<input checked="" type="checkbox"/> Drawing(s)		Number of Sheets. 1		<input type="checkbox"/> Other (specify) _____			
METHOD OF PAYMENT (check one)						PROVISIONAL FILING FEE	
<input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27.						<input type="checkbox"/> Small Entity (\$80 00)	
<input checked="" type="checkbox"/> A check or money order is enclosed to cover the Provisional filing fees.						<input checked="" type="checkbox"/> Large Entity (\$160 00)	
<input type="checkbox"/> The Commissioner is hereby authorized to charge filing fees and credit Deposit Account Number 02-2448, if necessary.							

The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.

No.

Yes, the name of the U.S. Government agency and the Government contract number are:

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

Date: August 22, 2002

By [Signature] #32,881
for John W. Bailey, #32,881

JWB/end
0020-5041P

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(Rev. 08/16/02)

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PROVISIONAL APPLICATION COVER SHEET
Additional Page

PTO/SB/16 (8-00)

Docket Number	0020-5041P
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INVENTOR(S)/APPLICANT(S)		
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明 細 書

統合失調症治療剤

5 技術分野

本発明は、新しい統合失調症の治療方法および治療剤に関する。さらに詳しくは、本発明は特定のピシクロヘプタンジカルボキシイミド誘導体の所定量を1日1回投与することにより、錐体外路系副作用の併発を伴うことなく、統合失調症を改善する方法およびそれに用いる治療剤に関する。

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背景技術

統合失調症(精神分裂病、schizophrenia)は、内因性精神病の1種で、主として青年期に発病し、慢性の経過をたどり、次第に人格の解体をきたして、その一部は精神荒廃に至る疾患であり、症状としては、発症の初期に多く見られる幻覚や妄想などの陽性症状のほか、気力ややる気が欠落した陰性症状、集中力や学習

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に問題がある認知症状などがある。さらにその近縁症状としてうつ症状、不安症などもある。

この統合失調症の治療には、もっぱら薬物療法がとられているが、長期に亘って投薬が必要であり、また一旦治癒した場合でも投薬を止めると再発する危険が大きく、いつまでも薬物投与を続ける必要がある。そのため、薬物投与による副作用が問題となり、かかる観点から副作用のない、長期投与も可能な薬物が望まれる。

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統合失調症の治療薬としては、向精神薬に分類される種々の薬物、例えば、クロルプロマジン、メトキシプロマジン等のフェノチアジン誘導体；フェノチアジンに類似した構造を有するクロルプロチキロン、フルペンチキソール等のチオキササンチン誘導体、スルピリド、スルトプリド等のベンズアミド誘導体、クロチアゼム、エチゾラム等のチエノジアゼピン誘導体などがあり、さらに、ハロペリドール、トリペリドールなどのブチロフェノン誘導体、ピモジド等のジフェニルブチルアミン誘導体、など多くの薬物が用いられている。

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