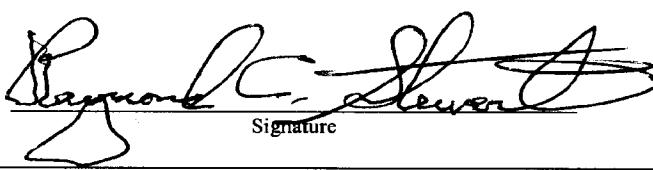


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Page 1 of 1

5/28/03		REC	09-30-2003	ET
To the D Please reco		102562746 Office: Documents or copy thereof.		
1. Name of conveying party(ies): [FAMILY NAME (ALL CAPS), Given Name] ISHII, Yasutaka HIRAI, Naruhisa TERADA, Masahiko Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO		2. Name and address of receiving party(ies) Name: DAICEL CHEMICAL INDUSTRIES, LTD. Internal Address: Street Address: 1, Teppo-cho, Sakai-shi City: Osaka State: ZIP: Country: JAPAN Postal Code: 590-8501 Additional name(s) & address(es) attached? ☐ YES ☒ NO		
3. Nature of conveyance: ☒ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other: Execution Date: May 13, 2003				
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: May 13, 2003 A. Patent Application No(s). NEW 10/432931 B. Patent No.(s). Additional numbers attached? ☐ YES ☒ NO				
5. Name and address of party to whom correspondence concerning document should be mailed: Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP Street Address: P.O. BOX 747 City: FALLS CHURCH State: VA ZIP: 22040-0747 Country: USA		6. Total No. of applications/patents involved: ONE (1) 7. Total fee (37 C.F.R. § 3.41): \$40.00 ☒ Enclosed ☒ Authorized to be charged to deposit account, if no fee attached. 8. Deposit account number: 02-2448 (Attach triplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE				
9. Statement and signature. Raymond C. Stewart, #21,066 Name of Person Signing/Reg. No.  Signature May 28, 2003 Date				
Total number of pages including cover sheet, attachments, and document: THREE (3)				

RCS/ka

(Rev. 04/30/03)

PATENT
REEL: 014527 FRAME: 0418

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ATTORNEY DOCKET NO.
3273-0173P

ASSIGNMENT

Application No. NEW

Filed May 28, 2003

Insert Name(s)
of Inventor(s)

WHEREAS, Yasutaka ISHII

Naruhisa HIRAI

Masahiko TERADA

Insert Title
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in

CATALYST COMPRISING N-SUBSTITUTED CYCLIC IMIDE COMPOUND AND

PROCESS FOR PRODUCING ORGANIC COMPOUNDS USING THE CATALYST

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

Insert Date
of Signing of
Application

on May 13, 2003; and

Insert Name
of Assignee

WHEREAS, DAICEL CHEMICAL INDUSTRIES, LTD.

Insert Address
of Assignee

of 1, Teppo-cho, Sakai-shi, OSAKA 590-8501 JAPAN

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

CHECK BOX
IF APPROPRIATE

☐ in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

PATENT
REEL: 014527 FRAME: 0419

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>May 13, 2003</u> ,	Name of Inventor <u>Yasutaka Ishii</u> (signature)
Date <u>May 13, 2003</u> ,	Name of Inventor <u>Naruhisa Hirai</u> (signature)
Date <u>May 13, 2003</u> ,	Name of Inventor <u>Masahiko Terada</u> (signature)
Date _____,	Name of Inventor _____ (signature)
Date _____,	Name of Inventor _____ (signature)
Date _____,	Name of Inventor _____ (signature)