

MRD 5-22-98



To the Assistant Commissioner for Patents:

100723821

int(s) or copy(ies) thereof.

1. Name of conveying party(ies):

Shuji MORIMOTO, Kazuhiro OKOCHI, Kotaro WAKAMATSU, and Nobuyoshi TANAKA

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

Name: Takeda Chemical Industries, Ltd.

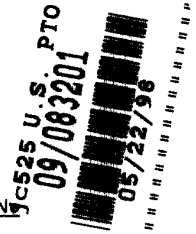
Street Address: 1-1, Doshomachi 4-chome
Chuo-ku, Osaka-shi, Osaka, Japan

Additional name(s) of conveying party(ies) attached? No

3. Nature of conveyance:

Assignment
 Security Agreement
 Other
 Merger
 Change of Name
Execution Date: May 12, 1998

Additional name(s) & address(es) attached? No



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 12, 1998

A. Patent Application No.(s)

05/28/1998 SDNVIS 00000057 09083201
FC:561 40.00 DP

B. Patent No.(s)

Additional numbers attached? No

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

Name: WENDEROTH, LIND & PONACK, L.L.P.
Internal Address: Attn: Mr. Nils E. Pedersen
Street Address: 2033 K Street, N.W., Suite 800
City: Washington, D.C. ZIP: 20006

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41). \$ 40.00

Enclosed [Check No. 28518]
 Authorized to be charged to deposit account

8. Deposit account number: 23-0975

(Attach duplicate copy of this page if paying by deposit account)

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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.

Nils E. Pedersen, Reg. No. 33,145
Name of Person Signing

Signature

May 22, 1998
Date

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

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Washington, D.C. 20231

THE COMMISSIONER IS AUTHORIZED
TO WAIVE ANY DEFICIENCY IN THE
FEE FOR THIS FOLDER TO DEPOSIT
ACCOUNT NO. 23-0975.

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

**Insert Name(s)
of Inventor(s)**

Shuji MORIMOTO, Kazuhiro OKOCHI, Kotaro WAKAMATSU and
Nobuyoshi TANAKA

**Insert Name(s)
of Assignee(s)**

Takeda Chemical Industries, Ltd.

Address

of 1-1, Doshomachi 4-chome, Chuo-ku, Osaka-shi, Osaka, Japan

**Title of
Invention**

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

DUAL-CHAMBER TYPE INJECTOR AND CONNECTOR USED THEREFOR

**Date of Signing
of Application**

for which an application for patent in the United States has been executed by the undersigned on

May 12, 1998

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional 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 or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) 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 firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, DC 20006, 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 United States Patent Office for recordation of this document.

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

Date May 12, 1998, Name of Inventor Shuji Morimoto

Date May 12, 1998, Name of Inventor Kazuhiko Okochi

Date May 12, 1998, Name of Inventor Hirotaro Nakamura

Date May 12, 1998, Name of Inventor Nobuyoshi Tanaka

Date _____, Name of Inventor _____

Date _____, Name of Inventor _____

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Naoru Hamaguchi

Witness Hirosaki Ito

ACKNOWLEDGEMENT

_____ } ss

This _____ day of _____, 19_____, before me
personally came the above-named _____

to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL _____
Official Signature

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. _____ Filing Date _____

Applicant Reference Number _____ Atty Docket No. _____

Title of Invention _____
