

12-16-2005



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FORM PTO-1595
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U.S. DEPARTMENT OF COMMERCE
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To the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Please record the attached Assignment document.

112955 U.S. PTO
11/297993

120905

12-09-05

1. Name of conveying party(ies):

Shigeru SHOJI and Masahiro OTSUKA

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

Name: Toei Electric Co., Ltd.

Address: 771 Shimosakunobe, Takatsu-ku
Kawasaki-shi, Kanagawa 213-0033
Japan

3. Nature of Conveyance: Assignment

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

Execution Date: November 22 and 24, 2005

4. This document is being filed together with a new application. The execution date of the application is: November 22 and 24, 2005

NO ADDITIONAL NUMBERS ATTACHED.

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

Lisa C. Childs
Michael Best & Friedrich LLP
401 North Michigan Avenue
Suite 1900
Chicago, Illinois 60611

Phone: 312.222.0800

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

Enclosed (See Fee Transmittal)

Deficiencies in fee charged to Deposit Account (See Fee Transmittal)

8. Deposit account number: 50-1965

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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.

Lisa C. Childs (Reg. No. 39,937)
Name of Person Signing

Lisa C. Childs
Signature

Dec. 9, 2005
Date

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

OMB No. 0651-0011 (exp. 4/94) H:\FORM\ASSIGN\CS1

Attorney File 204126-9005

12/15/2005 ECOOPER 00000249 501965 11297993

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ASSIGNMENT

(04S0279P1)

In consideration of value received, I, having a residence and mailing address as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

ROOT APEX POSITION DETECTION APPARATUS

sell and assign to
Toei Electric Co., Ltd.
a Japanese corporation, having a business address at
771 Shimosakunobe, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0033 Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent : (check one)

- executed concurrently herewith;
- executed on
- Application No. ; filed ;

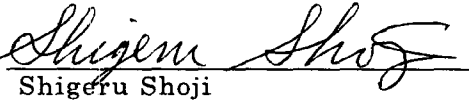
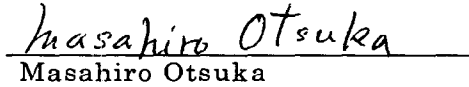
and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant the following law firm 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.

Michael Best & Friedrich LLP, 401 North Michigan Avenue, Suite 1900 Chicago, Illinois 60611-4274

ASSIGNMENT

(04S0279P1)

Inventor: (Signature)	Date	Residence and mailing address
 Shigeru Shoji	NOV. 22. 2005	3-4-7, Mizunomori, Aoba-ku, Sendai-shi, Miyagi-ken, Japan
 Masahiro Otsuka	NOV. 24. 2005	3,138-47, Nogawa, Miyamae-ku, Kawasaki-shi, Kanagawa-ken, Japan