

08-22-2003

F



ET

102532118

To: The Commissioner of Patent and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

8-13-03

- New **Execution Date: July 30, 2003**
- Resubmission (Non-Recordation)
Document ID#
- Correction of PTO Error
Reel # Frame #
- Corrective Document
Reel # Frame #

Conveyance Type

- Assignment Security Agreement
- License Change of Name
- Merger Other

U.S. Government
(For Use ONLY by U.S. Government Agencies)

- Department File Secret File

03916 U.S. PTO
10/639857
08/13/03

Conveying Party(ies)

- Mark if additional names of conveying parties attached

Name UENO, Takayuki

Second Party

Name AKATSU, Hiroyuki

10639857

Receiving Party

- Mark if additional names of receiving parties attached

Name SHOWA CORPORATION

Address (line 1) 14-1, Fujiwara-cho 1-chome

Address (line 2) Gyoda-shi

Address (line 3) Saitama, Japan

Correspondent Name and Address

Area Code and Telephone Number 312.922.6262

Name Orum & Roth

Address (line 1) 53 West Jackson Boulevard

Address (line 2)

Address (line 3) Chicago, Illinois 60604

Application Number or Patent Number

Patent Application Number

Patent Number

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
July 30 2003

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41)

\$ 40.00

Method of Payment: Enclosed Deposit Account

Deposit Account Number # 4-2219

Authorization to charge additional fees: Yes No

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. Charges to deposit account are authorized, as indicated herein.

Keith H. Orum

August 13, 2003

Name of Person Signing

Signature

Date

Attorney Docket Number: 13553
F166 (Orum & Roth)

ASSIGNMENT OF U.S. PATENT APPLICATION

Inventor(s) Full Name(s) Takayuki UENO Hiroyuki AKATSU

Assignee Name and Address hereby sell, assign and transfer to SHOWA CORPORATION 14-1, Fujiwara-cho 1-chome, Gyoda-shi, SAITAMA, JAPAN

Title of Invention (hereinafter called the Assignee) the entire right, title, and interest in and to any and all improvements which are disclosed in the Application for United States Letters Patent entitled TEMPERATURE COMPENSATOR OF TORQUE SENSOR

Complete either a) or b) which application was a) executed by the undersigned on the 30th day of July, 2003 b) filed on the day of

Serial No including any and all United States Letters Patents which may be granted therefore and any and all extensions, divisions, reissues, substitutes, renewals or continuations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightful other papers; and generally do everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection.

Date Signed at TOCHIGI, JAPAN this 30th day of July, 2003

Inventor(s) Full Signature(s) INVENTOR(S): Takayuki Ueno (Takayuki UENO)

Hiroyuki Akatsu (Hiroyuki AKATSU)

WITNESSES: Fumihiko Mizuno (Fumihiko MIZUNO)

Witnesses' Full Signatures