

03-16-1999

MAN 3-1-99



Commissioner of Patents and Trade
thereof

100983842

ed original documents or copy

1. Name of conveying party(ies):

Masahiko Hayashi
Junichi Imai
Kazuhiko Kobayashi
Hiroyuki Arai

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

Isuzu Motors Limited
26-1, Minami-Ohi 6-chome
Shinagawa-ku
Tokyo, JAPAN

Transtron, Inc.
1-1, Kamiotanaka 4-chome
Nakahara-ku, Kawasaki-shi
Kanagawa, JAPAN

Additional name(s) of conveying party(ies)
attached?

Yes No

Additional name(s) & address(es) attached?

Yes No



3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name

Other:

Execution Date: 2/18/99

4. Application number(s) or registration number(s):

If document is being filed with a new application, the execution date of the application is:
02/25/99

A. Patent Application No. (s)

B. Patent No. (s)

Additional numbers attached? Yes No

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

Joseph V. Coppola, Sr.
Rader, Fishman & Grauer PLLC
1533 N. Woodward Avenue, Suite 140
Bloomfield Hills, Michigan 48304
(248) 594-0650

6. Total number of applications and patents
involved:

1

7. Total Fee (37 CFR 3.41)...\$40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit Account Number: 18-0013

(03/12/1999 JSHABAZZ 00000157 180013 09260572)

01 FC:581 40.00 CH

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.

Joseph V. Coppola, Sr.

Name

Signature

March 1, 1999

Date

Total number of pages including cover sheet, attachments, and document: 2

Do not detach this portion
Mail documents to be recorded with required cover sheet information to:
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Box Assignments
Washington, D.C. 20231

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1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction
Project (0651-0011), Washington, D.C. 20503.

PATENT
REEL: 9806 FRAME: 0708

132-03-67

A S S I G N M E N T

In consideration of value received,

Masahiko Hayashi, Junichi Imai, Kazuhiko Kobayashi
and Hiroyuki Arai

hereinafter referred to as "Assignors",
sell and assign to

Isuzu Motors Limited and Transtron, Inc.

corporations of Japan, having places of business at

26-1, Minami-Ohi 6-chome, Shinagawa-ku, Tokyo, Japan and
1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa,
Japan respectively,

its successors, assigns or nominees, hereinafter referred to as
"Assignees", the entire right, title and interest in and to an
invention entitled:

METHOD OF SPECIFYING AND DIAGNOSING ABNORMALITIES IN
PARTIALLY-CONNECTED CLUTCH STROKE LEVELS

invented by the Assignor and as described in the following:

and in and to all applications for patent for said invention in
all countries, and all divisions, reissues, continuations and
extentions of any of said applications, and all rights of
priority resulting from the filing of any of said applications;
and Assignor authorizes and requests any official whose duty is
to issue patents, to issue any patent on said invention or
resulting therefrom to said Assignee, and Assignor agrees that on
request and without further consideration, but at the expense of
said Assignee, Assignor will communicate to said Assignee or its
representatives any facts known to Assignor respecting said
invention and testify in any legal proceeding, sign all lawful
papers, execute all divisional, continuing or other applications,
make all rightful oaths and declarations, and generally do
everything possible to aid said Assignee to obtain and enforce a
proper patent protection for said invention in all countries.

Subscribed and executed at Kanagawa, Japan.

February 18, 1999

(Date)

Masahiko Hayashi

Assignor

February 18, 1999

(Date)

Junichi Imai

Assignor

February 18, 1999

(Date)

Kazuhiko Kobayashi

Assignor

February 18, 1999

(Date)

Hiroyuki Arai

Assignor



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Assignments
Commissioner of Patents and Trademarks
Washington, D.C. 20231

NOTE: "Documents and cover sheets to be recorded should be addressed to Assistant Commissioner for Patents, Box Assignments, Washington, D.C. 20231, unless they are filed together with new applications or with a petition under § 3.81(b)." 37 C.F.R. § 3.27.

ASSIGNMENT (DOCUMENT) COVER SHEET (37 C.F.R. § 3.31)

NOTE: "A cover sheet may not refer to both patents and trademarks." 37 C.F.R. § 3.31(b).

Attached please find an assignment (document) for recordal.

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*
(When using Express Mail, the Express Mail label number is **mandatory**;
Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

deposited with the United States Postal Service in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

37 C.F.R. § 1.8(a)

37 C.F.R. § 1.10*

with sufficient postage as first class mail. as "Express Mail Post Office to Addressee" Mailing Label No. EL134824503U (mandatory)

TRANSMISSION

transmitted by facsimile to the Patent and Trademark Office.

Stephanie A. Frash
Signature

Date: 3-1-99

Stephanie A. Frash
(type or print name of person certifying)

***WARNING:** Each paper or fee filed by "Express Mail" **must** have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. § 1.10(b).
"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

**IDENTIFICATION OF APPLICATION(S) AND/OR PATENT(S)
FOR ASSIGNMENT (DOCUMENT) RECORDAL**
(37 C.F.R. § 3.21 and 37 C.F.R. § 3.31(a)(4))

NOTE: See 37 C.F.R. §3.21.

NOTE: § 3.21 does not apply to documents other than assignment. Notice of June 24, 1992 (1140 O.G. 63-72 at 67).

1. This assignment is for the following patent application and/or issued patent:

National application: SN: 0 / filed on
Provisional application: / filed on
International application: PCT/ /
Patent No: Issued:

(complete if applicable) which was previously assigned and recorded

Date _____ Reel _____
Frame _____

NOTE: *If an assignment of a patent application filed under § 1.53(b) is executed concurrently with, or subsequent to, the execution of the patent application, but before the patent application is filed, it must identify the patent application by its date of execution, name of each inventor, and title of the invention so that there can be no mistake as to the patent application intended. If an assignment of a provisional application under § 1.53(c) is executed before the provisional application is filed, it must identify the provisional application by name of each inventor and title of the invention so that there can be no mistake as to the provisional application intended. 37 C.F.R. § 3.21.*

(also complete the following, if applicable)

and also for the applications and/or patents
shown on the attached list of FURTHER
APPLICATION(S) and/or PATENT(S) BEING ASSIGNED

Number of pages added _____

NOTE: *"Where there is a listing of properties contained within a document, any listing may be copied and attached to the cover sheet to reduce the amount of typing necessary. A notation of this attachment can be made in lieu of entering every property identification number on the cover sheet." Notice of June 24, 1992 (1140 O.G. 63-72 at 67).*

**TOTAL NUMBER OF APPLICATIONS AND/OR PATENTS
AND TOTAL FEE**

NOTE: *All requests to record documents must be accompanied by the appropriate fee; a fee is required for each application or patent against which the document is recorded as identified in the cover sheet. The recording fee is set in § 1.21(h). 37 C.F.R. §3.41.*

2. A. The total number of applications and/or patents identified in this cover sheet is ____1____.

(Assignment (Document) Cover Sheet—page 2 of 6)

**PATENT
REEL: 9806 FRAME: 0711**

B. The total fee is (37 C.F.R. § 1.21(h)):

1 x \$40.00 = \$ 40.00
Total number of applications
and/or patents

C. Payment of fee is made by:

the attached check for \$ _____.
 Please charge Account 18-0013
the sum of \$ 40.00.

A duplicate of this cover sheet is attached.

Please charge Account 18-0013 for any fee deficiency or credit to account any overpayment.

NAME OF PARTY(IES) CONVEYING INTEREST

(37 C.F.R. § 3.31(a)(1))

NOTE "The term 'party' as used in this rule [§ 3.31] means the person whose name appears on the documents to be recorded, that person's attorney or registered agent, or a corporate officer where a corporation's name appears on the documents." Notice of June 24, 1992 (1140 O.G. 63-72, at 65); M.P.E.P. § 302.07, 6th ed.

3. The party(ies) conveying interest is (are):

Name 1: Masahiko Hayashi
Name 2: Junichi Imai
Name 3: Kazuhiko Kobayashi
Name 4: Hiroyuki Arai

NAME AND ADDRESS OF PARTY(IES) RECEIVING INTEREST

(37 C.F.R. § 3.31 (a)(2))

4. The rights are being conveyed to:

Name: Isuzu Motors Limited
26-1, Minami-Ohi 6-chome, Shinagawa-ku
Tokyo, Japan

And

Transtron, Inc.
1-1, Kamikodanaka 4-chome
Nakahara-ku, Kawasakishi
Kanagawa, Japan

**DESCRIPTION OF INTEREST CONVEYED OR
TRANSACTION RECORDED (37 C.F.R. § 3.31 (a)(3))**

(Assignment (Document) Cover Sheet—page 3 of 6)

5. The accompanying document intends to accomplish:

- an assignment.
- a security agreement.
- a merger.
- a license.
- a change of name.
- a change of address.
- other:

**NAME AND ADDRESS OF PARTY TO WHOM
CORRESPONDENCE SHOULD BE MAILED (37 C.F.R. § 3.31 (a)(5))**

6. Please address correspondence to:

Name: Joseph V. Coppola, Sr.
Address: RADER, FISHMAN & GRAUER PLLC
1533 N. Woodward Ave., Ste 140
Bloomfield Hills, MI 48304
Telephone No.: (248) 594-0650

**DATE ASSIGNMENT (DOCUMENT) EXECUTED
(37 C.F.R. § 3.31(a)(7))**

7. A. The attached assignment (document) was executed on February 18, 1999 .
Date

NOTE: If there is more than one conveying party who executed on different dates, indicate the date of execution of the assignment document for each conveying party.

B. The attached assignment was executed by _____ on _____ .
Date

The attached assignment was executed by _____ on _____ .
Date

LANGUAGE OF ASSIGNMENT (DOCUMENT) TO BE RECORDED

NOTE: "The Office will accept and record non-English language documents only if accompanied by an English translation signed by the individual making the translation," 37 C.F.R. § 3.26.

8. The attached document:

(Assignment (Document) Cover Sheet—page 4 of 6)

[X] is in the English language.

[] is not in the English language and an English translation signed by the individual making the translation is attached.

ORIGINAL DOCUMENT OR TRUE COPY SUBMITTED

NOTE: See 37 C.F.R. § 3.24.

9. Submitted herewith is:

[X] the original document.

[] a true copy of the original document, which I certify to be a true copy.

NOTE: "If the original [assignment] document is two-sided or the wrong size, the practitioner can comply with the requirement [set out in 37 C.F.R. § 3.24] by providing a true copy of the original document using only one side of each page on the correct size paper." Notice of June 24, 1992, 1140 O.G. 63-76, at 67.

NOTE: "Certification shall be made by the person submitting a copy of an original document that the document submitted is a true copy of the original. The certification is not required to be in an oath or declaration form." M.P.E.P., 6th ed., § 302.01.

ASSIGNMENT (DOCUMENT) TO RECORD CHANGE OF ADDRESS

(check item, if applicable)

10. [] Because the purpose of the attached documents is to record a change of address of the assignee, the particulars of the previously recorded assignments for each application and/or patent are shown.

ASSIGNMENT (DOCUMENT) TO RECORD CHANGE OF NAME

(check item, if applicable)

11. [] Because the purpose of the attached documents is to record a change of name of the assignee, the particulars of the previously recorded assignments for each application and/or patent are shown.

CHANGE OF PATENT MAINTENANCE FEE ADDRESS

(check item, if applicable)

12. [] A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent to the Office separately.

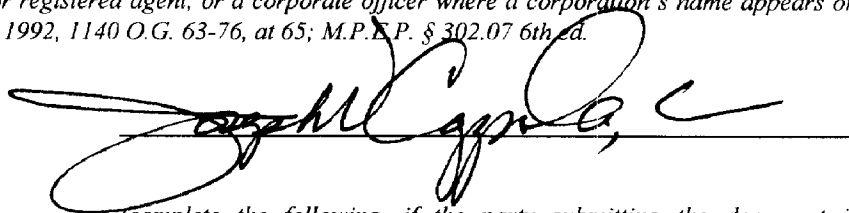
(Assignment (Document) Cover Sheet—page 5 of 6)

**STATEMENT (37 C.F.R. § 3.31(a)(9)) AND
SIGNATURE (37 C.F.R. § 3.31(a)(10))**

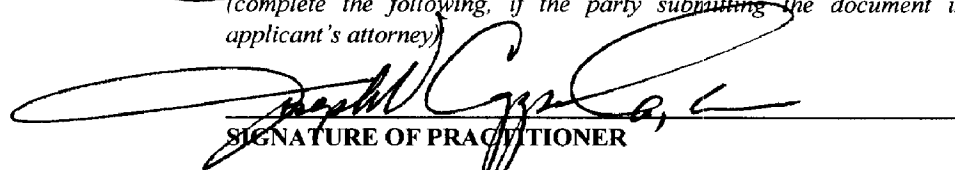
13. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

NOTE: "The term 'party' as used in this rule [§ 3.31] means the person whose name appears on the documents to be recorded, that person's attorney or registered agent, or a corporate officer where a corporation's name appears on the document." Notice of June 24, 1992, 1140 O.G. 63-76, at 65; M.P.R.P. § 302.07 6th ed.

Date: 3/1/1999



(Complete the following, if the party submitting the document is applicant's attorney)



SIGNATURE OF PRACTITIONER

Reg. No.: 33373

Joseph V. Coppola, Sr.

(type or print name of practitioner)

Tel. No.: (248) 594-0650

RADER, FISHMAN & GRAUER PLLC

Customer No.:

P.O. Address
1533 N. Woodward Ave., Ste. 140
Bloomfield Hills, MI 48304

TOTAL NUMBER OF PAGES BEING SUBMITTED

14. The total number of pages being submitted, including cover sheet attachment(s), and documents are:

8

(Assignment (Document) Cover Sheet—page 6 of 6)