

06-06-2003



102466377

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5.29.03

Conveyance Type

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- ☐ Change of Name
- ☐ Other:

10/446942

05/29/03

Conveying Party(ies)

1. Hideyo HARUHANA
2. Yutaka UMEME
- 3.
- 4.
- 5.
- 6.

Execution Date(s)

May 9, 2003

May 9, 2003

☐ Mark if Additional Names of Conveying Parties Attached**Receiving Party**

Name Renesas Technology Corporation

Name

Address 4-1, Marunouchi 2-chome

Address Chiyoda-ku

Address Tokyo

Japan

City

State/Country

100-6334

Zip Code

10446942

☐ Mark if Additional Names of Receiving Parties Attached**Correspondent Name and Address**

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Attorney Docket No. 402644/SHINSEI

Pages Enter the total number of pages of the attached conveyance document including any attachments: 2**Application Number(s) or Patent Number(s)**☐ Mark if additional numbers attached

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Patent Application Numbers**Patent Numbers**

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

May 9, 2003

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

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06/05/2003 T01A21 00000052 121216 10446942

01 FC:8021 40.00 CH

Number of Properties

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Fee Amount for Properties Listed (37 CFR 3.41): 40.00

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Jeffrey A. Wyand

Name of Person Signing

Signature

Date

Assignment Tml P1

PATENT

REEL: 014126 FRAME: 0732

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is acknowledged, the undersigned,
Hideyo HARUHAN and Yutaka UNEME

of c/o Renesas Technology Corporation, 4-1, Marunouchi 2-chome,
Chiyoda-ku, Tokyo 100-6334 Japan

sells, assigns, and transfers to
Renesas Technology Corporation

of 4-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-6334 Japan

(the Assignee), its successors and assigns, the entire right, title, and interest in and to:

- (i) the application for United States Letters Patent entitled:
"CHOPPER COMPARATOR"

which was executed by the undersigned on May 9, 2003, or was
filed on _____ and accorded Serial No. _____
(the Application);

- (ii) any and all inventions and improvements that are described in the Application;
- (iii) any and all United States Letters Patents that may be granted on the Application
(the Patent);
- (iv) any and all divisions, continuations, reexaminations, reissues, or extensions of the
Application or the Patent; and
- (v) all benefits under the International Convention for the Protection of Industrial
Property.

I authorize the Assignee and its agents to insert in this instrument the filing date and
serial number of the Application.

I authorize and request the Commissioner of Patents to issue any and all Letters Patent, when granted, to the Assignee.

Further, it is agreed that, when requested, without charge to, but at the expense of, the Assignee, the undersigned will execute all divisional, continuing, or reissue patent applications; execute all additional assignments and other writings, including reissue and reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection for any invention described in the Application.

INVENTOR

Date

Witness

Hideyo HARUHANA

May 9, 2003

Hideyo HARUHANA

Yutaka UNEME

May 9, 2003

Yutaka UNEME