

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | |
|--|---------------------------------|----------------|---------------------|------------|-----------------|------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | |
| CONVEYING PARTY DATA | | | | | | | |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Alfred Soboleski</td><td>03/30/1994</td></tr><tr><td>Yukio Sakaguchi</td><td>03/30/1994</td></tr></tbody></table> | Name | Execution Date | Alfred Soboleski | 03/30/1994 | Yukio Sakaguchi | 03/30/1994 | |
| Name | Execution Date | | | | | | |
| Alfred Soboleski | 03/30/1994 | | | | | | |
| Yukio Sakaguchi | 03/30/1994 | | | | | | |
| RECEIVING PARTY DATA | | | | | | | |
| Name: | Hitachi Micro Systems, Inc. | | | | | | |
| Street Address: | 179 East Tasman Drive | | | | | | |
| City: | San Jose | | | | | | |
| State/Country: | CALIFORNIA | | | | | | |
| Postal Code: | 95134 | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>08632166</td></tr></tbody></table> | Property Type | Number | Application Number: | 08632166 | | | |
| Property Type | Number | | | | | | |
| Application Number: | 08632166 | | | | | | |
| CORRESPONDENCE DATA | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | 043496.00001 | | | | | | |
| NAME OF SUBMITTER: | Danielle Peregory | | | | | | |
| Total Attachments: 3 source=08-224443-assignment#page1.tif source=08-224443-assignment#page2.tif | | | | | | | |

CH \$40.00 08632166

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PATENT
REEL: 022220 FRAME: 0828

ASSIGNMENT

WHEREAS, the undersigned,

(1) Alfred Soboleski, (2) Yukio Sakauchi,
(3) _____, (4) _____,

(hereinafter termed "Inventors"), residents of

(1) Sunnyvale, (2) Los Altos,
(3) _____, (4) _____,

respectively, Counties of

(1) Santa Clara, (2) Santa Clara,
(3) _____, (4) _____,

respectively, States of

(1) California, (2) California,
(3) _____, (4) _____,

respectively, have invented certain new and useful improvements in

METHOD FOR MINIMIZING CLOCK SKEW IN INTEGRATED CIRCUITS AND PRINTED CIRCUITS AND
PRINTED CIRCUITS

and have executed concurrently herewith an application for a United States patent disclosing and identifying the invention; and

WHEREAS, Hitachi Microsystems, Inc. a corporation of the State of California, having a place of business at San Jose, State of California, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed

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invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed and delivered this instrument to said Assignee this

(1)_____ day of _____, 19____, (2)_____ day of _____, 19____,
(3)_____ day of _____, 19____, (4)_____ day of _____, 19____,
respectively.

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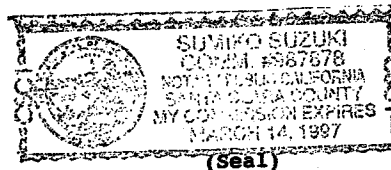
(1) [Signature]
(Inventor)

County of Santa Clara)
State of California) ss.

On this 30th day of MARCH, in the year 94, before me,
SUMIKO SUZUKI, Notary Public of the State of California,
personally appeared (1) Alfred J. Soboleski, personally known to me
(or proved to me on the basis of satisfactory evidence) to be the person whose
name is subscribed to the within instrument, and acknowledged that he/she
executed the same in his/her authorized capacity(ies), and that by his/her
signature on the instrument the person, or the entity upon behalf of which the
person acted, executed the instrument.

WITNESS my hand and official seal.

Signature [Signature]



REEL 958 FRAME 91

RECORDED
PATENT & TRADEMARK OFFICE

(2) [Signature]
(Inventor)

APR -7 94
County of Santa Clara)
State of California) ss.

On this 30th day of MARCH, in the year 94, before me,
SUMIKO SUZUKI, Notary Public of the State of California,
personally appeared (2) Yukio Sakaguchi, personally known to me
(or proved to me on the basis of satisfactory evidence) to be the person whose
name is subscribed to the within instrument, and acknowledged that he/she
executed the same in his/her authorized capacity(ies), and that by his/her
signature on the instrument the person, or the entity upon behalf of which the
person acted, executed the instrument.

WITNESS my hand and official seal.

Signature [Signature]

