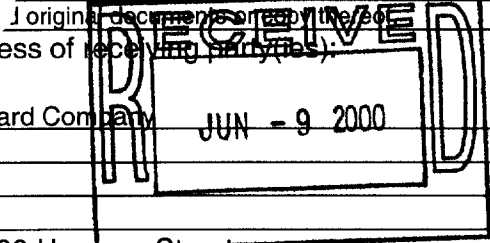




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To the Honorable Commissioner of Patents & Trademarks

1. Name of conveying party(ies): Samuel D. Naffziger

2. Name and address of receiving party(ies): Name: Hewlett-Packard Company Internal Address:

3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other: Execution Date: 5/4/2000

Street Address: 3000 Hanover Street City: Palo Alto State CA ZIP 94304 Additional name(s) & address(es) attached? [X] Yes [] No

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 09/504,004

B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: BLAKELY SOKOLOFF TAYLOR & ZAFMAN, LLP Internal Address: Street Address: 12400 Wilshire Boulevard City: Los Angeles State: CA ZIP: 90025

6. Total Number of applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$ 40.00 [X] Enclosed [] Authorized to be charge to deposit account 8. Deposit Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account)

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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.

Reg. No. 31,639 Maria McCormack Sobrino Name of Person Signing

Maria McCormack Sobrino June 2, 2000 Signature Date

Total number of pages comprising cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:

07/06/2000 DNHUYEN 00000128 09504004 01 FC:581 40.00 OP Docket No. 42390.P8476

Assistant Commissioner for Patents Box Assignments Washington, D.C. 20231

Attachment to Assignment Recordation Cover Sheet

Intel Corporation.
2200 Mission College Blvd.
Santa Clara, California 95052

Attorney Docket No.: 42390.P8476

Title: "Scannable Zero-Catcher And One-Catcher Circuits For Reduced Clock Loading
And Power Dissipation"

ASSIGNMENT OF PATENT APPLICATION

I, the undersigned Samuel D. Naffziger, have agreed and hereby agree to assign to HEWLETT-PACKARD COMPANY, a Delaware corporation having its principal place of business at 3000 Hanover Street, Palo Alto, California 94304 (hereinafter "HP") and INTEL CORPORATION, Delaware corporation having its principle place of business at 2200 Mission College Blvd., Santa Clara, California 95052, (hereinafter "INTEL"), in furtherance of my obligations to HP or INTEL, and do hereby assign and transfer to HP and INTEL jointly, their successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

SCANNABLE ZERO-CATCHER AND ONE-CATCHER CIRCUITS FOR REDUCED CLOCK LOADING AND POWER DISSIPATION

Filing date: February 14, 2000

Serial No.: 09/504,004

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent.

I additionally authorize HP and INTEL to file applications in my name for Letters Patent in any country, to be held and enjoyed by HP and INTEL jointly, their successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I hereby covenant that I have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HP, INTEL, their successors, assigns, nominees or legal representatives, and I agree to communicate to HP, INTEL, or their nominees, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HP and INTEL, their successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me in lending such cooperation and assistance are paid by HP or INTEL;

AND I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to HP and INTEL jointly, as assignees of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I further authorize and direct HP and INTEL attorneys to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above once the same shall have been made known to them by the United States Patent and Trademark Office.

Date: 5/2, 2000 Samuel D. Naffziger
Name: Samuel D. Naffziger

Date: _____, 20____
Name: _____

Date: _____, 20____
Name: _____

Date: _____, 20____
Name: _____

State of: _____ }
County of: _____ } SS. Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(408) 720-8300

On this _____ day of _____ 20____, before me, _____,
the undersigned Notary Public, personally appeared _____
 personally known to me proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)
subscribed to the within instrument, and acknowledged that _____ executed it.
WITNESS my hand and official seal.

Notary's Signature