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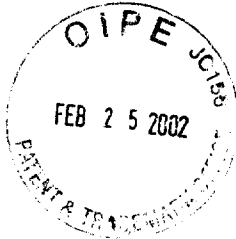
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Vincent Zammit; Andrew Kay

Additional name(s) of conveying
party(ies) attached? [] Yes [x] No

3. Nature of conveyance:

NR 2/25/2

- [x] Assignment [] Merger
 [] Security Agreement [] Change of Name
 [] Other _____

Execution Date: 01/21 and 01/07/02

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

Name: Sharp Kabushiki Kaisha

Internal Address: _____

Street Address: 22-22, Nagaikecho, Abeno-ku

City: Osaka

State/Country: Japan ZIP: 545-8522

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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)

10/014,831

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: Neil A. DuChez

Internal Address: Renner, Otto, Boisselle & Sklar

Street Address: 1621 Euclid Avenue

19th Floor

City: Cleveland

State: Ohio ZIP: 44115

6. Total number of applications and patents involved: [1]

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

[x] Enclosed

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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.

Neil A. DuChez

Name of Person Signing

Signature

02/12/02

Date

Reg. No. 26,725 Total number of pages including cover sheet attachments, and document: [3]

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PATENT
REEL: 012637 FRAME: 0611

ASSIGNMENT

WHEREAS, the ASSIGNOR(S), being the following named inventors(s):

Vincent Zammit

243 Buena Vista Avenue, Apartment 1502, Sunnyvale,
California 94086, U.S.A.

Andrew Kay

99 Hurst Street
Oxford, OX4 1HA, U.K.

are inventor(s) of and owner(s) of rights to a certain invention entitled:

METHOD OF CO-SIMULATING A DIGITAL CIRCUIT

for which application for Letters Patent of the United States was executed on the date indicated below, and

WHEREAS, the ASSIGNEE:

SHARP KABUSHIKI KAISHA
22-22, Nagaikecho, Abeno-ku
Osaka 545-8522 Japan

is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement, charge or other encumbrance has been or will be entered into which would conflict with this assignment and sale.

ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR(S) and will testify as to the same in any interference or litigation related thereto and will promptly execute and

deliver to ASSIGNEE or his legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

Signed:

V. Zammit.

Vincent Zammit

Andrew Kay

Andrew Kay

Date:

21/1/2002.

7/1/2002