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DEPARTMENT OF COMMERCE S. Patent and Trademark Office

To The Honorable Commissioner of Patents and Trademarks: Please record the attached original documents(s) or copy(ies) thereof.

Docket No.: P07620US00/RFH

1. Name of conveying party(ies)

KOSELJ, Metod

TUOMI, Mika

9.20.02

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

Name: NEC Electronics (Europe) GmbH
Street Address: Oberrather Strasse 4
City + Address: D-40472 Düsseldorf, GERMANY

And

Name: Bitboys, OY
Street Address: Rauhalammintie 1;
City + Address: 29600 Noormarkku, FINLAND

Re 1-17-03

3. Nature of conveyance:

X Assignment Merger Security Agreement
Change of Name Other:

Execution Date: June 21, 2002 and May 31, 2002

4. Application number(s) or patent number(s)

This document is filed together with a new application whose execution date is:

A. Patent Application No.(s)

B. Patent No.(s)

10/141,797

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

Name: Ross F. Hunt, Jr. Tel.: 703-739-4900
LARSON & TAYLOR, PLC • 1199 North Fairfax St. • Suite 900 • Alexandria, VA 22314-1437

6. Total number of applications and patents involved:

#1

7. Total fee (37 CFR 3.41)

X Enclosed (fee code 581)

\$40.00

(8. Any insufficiency in fee is authorized to be charged to Deposit Account No. 12-0555.)

DO NOT USE THIS SPACE

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.

Ross F. Hunt, Jr. 24,082
Name of person signing

[Signature]

September 20, 2002
Date

Total number of pages including cover sheet, attachments and documents: 3

09/25/2002 6TDM11 00000134 10141797

01 FC:581

40.00 DP

PATENT REEL: 013673 FRAME: 0627

ASSIGNMENT OF PATENT APPLICATION

(US rights only - all US rights assigned by inventors to a single assignee)

WHEREAS,

- (1) Metod KOSELJ
- (2) Mika TUOMI

residing respectively at

- (1) NägeleStr 5; 40225 Düsseldorf, GERMANY
- (2) Riisviljantie 38B as 2; FIN-29570, FINLAND

(hereinafter referred to as the "ASSIGNOR") has/have invented certain new and useful improvements in GRAPHICS ENGINE, AND DISPLAY DRIVER IC AND DISPLAY MODULE INCORPORATING THE GRAPHICS ENGINE

for which an application for a United States Patent

was executed on even date herewith
was executed on

X was filed on May 10, 2002, as Serial No.:10/141,797

And WHEREAS, **NEC Electronics (Europe) GmbH**

whose Post Office Address is Oberrather Strasse 4; D-40472 Düsseldorf, GERMANY

and

Bitboys, OY

whose Post Office Address is Rauhalammintie 1; 29600 Noormarkku, FINLAND

(hereinafter referred to as the "ASSIGNEES") are desirous of acquiring the entire right, title and interest in and to said application and the invention(s) and improvement(s) therein disclosed, for the United States of America, and any Letters Patent which may issue therefor in the United States and all divisions, continuations, reissues, renewals and/or extensions thereof.

NOW THEREFORE in consideration of the sum of ten U.S. dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the ASSIGNOR does hereby assign, sell, transfer and set over unto the ASSIGNEES the entire right, title and interest in and to said application and the invention(s) and improvement(s) therein disclosed, for the United States of America, and any Letters Patent which may issue therefor in the United States and all divisions, continuations, reissues, renewals and/or extensions thereof, said ASSIGNEES to have

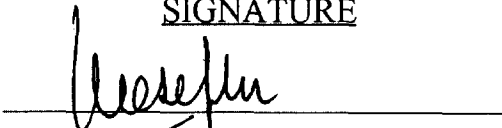
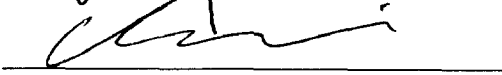
and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, continuations, reissues, renewals and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this assignment not been made.

And for the consideration aforesaid, ASSIGNOR agrees that ASSIGNOR will communicate to said ASSIGNEES or the representatives thereof any facts known to ASSIGNOR respecting the invention(s) and improvement(s) of the said United States application, and will, upon request, but without expense to ASSIGNOR, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said ASSIGNEES or by counsel for said ASSIGNEES, to assist or enable said ASSIGNEES to obtain and enforce full benefits from the rights and interests herein assigned.

This assignment shall be binding upon the ASSIGNOR's heirs, executors, administrators, successors and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of the ASSIGNEES.

The Commissioner of Patents is requested to issue such Letters Patent in accordance with this assignment.

I hereby authorize and request any attorney of record in said Application or any attorney of Larson & Taylor, PLC, Customer No. 00881, to insert above any information concerning the identity of the parties or of said Application (including the serial no. and filing date).

<u>NAME</u>	<u>SIGNATURE</u>	<u>DATE</u>
1) Metod KOSELJ		<u>31. May 2002</u>
2) Mika TUOMI		<u>21. June 2002</u>