

DEC 24 2003

PATENTS

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COMMISSIONER OF PATENTS
P.O. Box 1450
ALEXANDRIA, VA 22313-1450

SIR:

PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENT(S) OR COPY(IES) THEREOF.

1. NAME OF CONVEYING PARTY(IES)

Marko Hahn
Peter Rieder
Markus Schu
Guenter Scheffler
Christian Tuschen

Additional name(s) of conveying party(ies) attached? Yes

2. NAME(S) AND ADDRESS(ES) OF RECEIVING PARTY(IES)

Micronas GmbH
Hans-Bunte-Strasse 19
D-79108 Freiburg
GERMANY

Additional name(s) of receiving party(ies) attached? No

3. NATURE OF CONVEYANCE

- ☒ Assignment
☐ Security Agreement
☐ Merger
☐ Change of Name
☐ Other

Execution Date: August 11, 2003
August 11, 2003
August 11, 2003
September 1, 2003
August 11, 2003

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): 10/622,073

B. Patent No(s):

C. Issue Batch No.:

D. Issue Date:

Additional numbers attached? No.

5. NAME AND ADDRESS OF PARTY TO WHOM CORRESPONDENCE CONCERNING DOCUMENT SHOULD BE DIRECTED:

Patrick J. O'Shea
Samuels, Gauthier & Stevens LLP
225 Franklin Street, Suite 3300
Boston, Massachusetts 02110
(617) 426-9180, Extension 121

6. TOTAL NUMBER OF APPLICATIONS AND PATENTS INVOLVED: 1

7. TOTAL FEE DUE: \$40.00 (Enclosed)

If any additional fee(s) are due, the Commissioner is hereby authorized to charge the Deposit Order Account noted in item 8.

8. DEPOSIT ACCOUNT NUMBER: 19-0079

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.

Patrick J. O'Shea

Signature

Date

12/22/2003

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

12/31/2003 ECOOPER 00000166 10622073

01 FC:8021

40.00 DP

Meghan H. Carr

Date:

12/22/2003

PATENT
REEL: 014834 FRAME: 0092

ASSIGNMENT

Know all men by these presents that:

WHEREAS WE,

Marko Hahn

~~Maronstr. 2~~

~~81373 Muenchen~~

Germany

Prof.-Hessestr. 22

85579 Neubiberg

Guenter Scheffler

Carl-Orff-Bogen 83

80939 Muenchen

Germany

Peter Rieder

Alfred-Neumann-~~Alte~~ 13

81737 Muenchen

Germany

Auger

Christian Tuschen

Thurneysenstr. 24a

80687 Muenchen

Germany

Markus Schu

Friedrichstr. 20

85435 Erding

Germany

have made an invention for

**APPARATUS AND METHOD FOR INTERPOLATING A PIXEL
FROM AN INTERMEDIATE LINE OF A FIELD**

the specification of which was filed with the United States Patent and Trademark Office on July 17, 2003 as Serial No. 10/622,073 and which claims priority to German Patent Application No. 102 32 372 filed July 17, 2002;

WHEREAS, Micronas GmbH, a corporation existing under the laws of Germany and having a place of business at Hans-Bunte-Strasse 19, D-79108 Freiburg, Germany for the benefit of itself, its successors and assigns, all inclusively hereinafter referred to as the Assignee, is desirous of acquiring the entire right, title and interest in and to the said invention, the said application, all inventions disclosed in said application and any and all Letters Patent of the United States and of all other countries which may be granted for the said invention or inventions, or any of them;

NOW, THEREFORE, for good and valuable consideration provided by said Assignee, the receipt whereof is hereby acknowledged, we do hereby sell, assign and transfer to the said Assignee the entire right, title and interest in and to the said invention, inventions and application, including all priority rights arising therefrom, all inventions disclosed in said application, and any and all Letters Patent of the United States, and of all other countries, together with the right to apply for such Letters Patent, which may be granted for the said invention, inventions or any of them,

TO HAVE, HOLD AND ENJOY the said invention, the said application, and the said Letters Patent, to said

MICRONAS GmbH

its successors and assigns, to its and their own use and behoof to the full end of the term or terms for which the said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

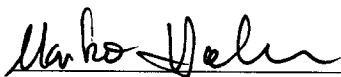
AND we hereby authorize and request the Commissioner of Patents of the United States and the appropriate officers of all foreign patent offices to issue any and all Letters Patent which may be granted on the said application or applications above referred to, or for the said invention, or any of them, to the said Assignee in accordance with the terms of this instrument.

AND we hereby agree to execute and sign without further consideration any other legal document and any other assignments and any divisional, continuing, renewal, reissue or other application in and for all patents that may be appropriate and may be deemed necessary by the Assignee fully to secure to said Assignee its interests as aforesaid in and to the said invention or any part thereof and in and to the said patents or any of them.

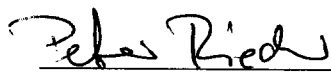
AND we further covenant and agree that we will at any time upon request communicate to the said Assignee, its successors, assigns or other legal representatives, any facts known to us relating to the said invention and any patent that may be granted thereon, and will testify as to the same in any interference or litigation when requested to do so.

AND we hereby covenant for ourselves and our legal representatives that we have not hitherto assigned or granted any license to make, use or sell said invention, and that we will not henceforth purport to assign, license or execute any instrument to that effect in conflict with this assignment.


IN WITNESS WHEREOF, We have hereunto set our hands on the date below.


Marko Hahn

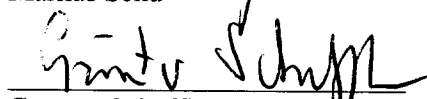
11. Aug 2003
Date


Peter Rieder

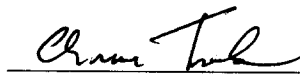
11.8.2003
Date


Markus Schu

11.8.2003
Date


Guenter Scheffler

01.09.2003
Date


Christian Tuschen

11.08.2003
Date