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U.S. DEPARTMENT OF COMMERCE  
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PATENTS ONLY

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

1. Name of conveying party(ies):

Michael Kauschke  
Carsten Poppinga

7.5102

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: May 27, 2002; June 12, 2002

2. Name and address of receiving party(ies)

Name: Intel Corporation

Internal Address: \_\_\_\_\_

Street Address: 2200 Mission College Blvd.

City: Santa Clara State: CA Zip: 95052

Additional name(s) & address(es) attached?  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)

10/113,488

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Blakely, Sokoloff, Taylor & Zafman

Internal Address: Seventh Floor

Street Address: 12400 Wilshire Boulevard

City: Los Angeles State: CA Zip: 90025

6. Total number of applications and patents involved:

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

Enclosed

Authorized to be charged 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.

Steven R. Gilliam, Reg. No., P51,734

Name of Person Signing

Signature

6/26/02

Date

07/09/2002 DBYRNE 00000017 10113488 Total number of pages including cover sheet, attachments, and documents:  6

01 FC:581

40.00 documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

# ASSIGNMENT

(For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we,  
the undersigned, Michael Kauschke and Carsten Poppinga,  
hereby sell, assign, and transfer to Intel Corporation  
a corporation of Delaware, having a principal place of  
business at 2200 Mission College Blvd., Santa Clara, California 95052,  
("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and  
interest for the United States and all foreign countries, in and to any and all improvements that  
are disclosed in the application for the United States patent that was filed April 1, 20 02  
and assigned Application No. 10/113,488 and is entitled:

## Apparatus For Iterative Hard-Decision Forward Error Correction Decoding

and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 27.05.2002

Michael Kauschke  
Name: Michael Kauschke

Date: \_\_\_\_\_

\_\_\_\_\_  
Name: Carsten Poppinga

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, California 90025-1030  
(512) 330-0844

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("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and  
interest for the United States and all foreign countries, in and to any and all improvements that  
are disclosed in the application for the United States patent that was filed April 1, 20 02  
and assigned Application No. 10/113,488 and is entitled:

## Apparatus For Iterative Hard-Decision Forward Error Correction Decoding

and in and to said application and all divisional applications, continuation applications,  
continued prosecution applications, continuation-in-part applications, substitute applications,  
renewal applications, reissue applications, reexaminations, extensions, and all other patent  
applications that have been or shall be filed in the United States and all foreign countries on any  
of said improvements; and in and to all original patents, reissued patents, reexamination  
certificates, and extensions that have been or shall be issued in the United States and all foreign  
countries on said improvements; and in and to all rights of priority resulting from the filing of  
said United States application;

agree that said Assignee may apply for and receive a patent or patents for said  
improvements in its own name; and that, when requested, without charge to, but at the expense  
of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the  
intent and purpose of this Assignment, the undersigned will execute all divisional applications,  
continuation applications, continued prosecution applications, continuation-in-part applications,  
substitute applications, renewal applications, reissue applications, reexaminations, extensions,  
and all other patent applications on any and all said improvements; execute all rightful oaths,  
assignments, powers of attorney, and other papers; communicate to said Assignee, its successors,  
assigns, and representatives all facts known to the undersigned relating to said improvements  
and the history thereof; and generally assist said Assignee, its successors, assigns, or  
representatives in securing and maintaining proper patent protection for said improvements and  
for vesting title to said improvements, and all applications for patents and all patents on said  
improvements, in said Assignee, its successors, assigns, and legal representatives; and

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assignment, grant, mortgage, license, or other agreement affecting the rights and property herein  
conveyed has been made to others by the undersigned, and that full right to convey the same as  
herein expressed is possessed by the undersigned.

Date: \_\_\_\_\_

\_\_\_\_\_  
Name: Michael Kauschke

Date: 12/06/02

  
\_\_\_\_\_  
Name: Carsten Poppinga

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, California 90025-1030  
(512) 330-0844