

03-28-2003



HEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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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):  
VLADIMIR KRAVTSOV

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

Name: INTEL CORPORATION

Address: 2200 MISSION COLLEGE BLVD.

03/17/03

Additional names(s) of conveying party(ies)  Yes  No

U.S. PTO  
10/390525  
03/17/03

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

City: SANTA CLARA State/Prov.: CA

Country: U.S.A. ZIP: 95054-1549

Execution Date: February 27, 2003

Additional name(s) & address(es)  Yes  No

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

If this document is being filed together with a new application, the execution date of the application is: MARCH 17, 2003

Patent Application No. Filing date

B. Patent No.(s)

Additional numbers  Yes  No

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

6. Total number of applications and patents involved: 1

Name: TIMOTHY N. TROP

Registration No. 28,994

Address: TROP, PRUNER & HU, P.C.

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

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8554 KATY FREEWAY, SUITE 100

8. Deposit account number:

City: HOUSTON State/Prov.: TX

20-1504

Country: U.S.A. ZIP: 77024

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature. 40.00 OP

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.

Sanjeev K. Singh under 37 CFR§10.9(b)

MARCH 17, 2003

Name of Person Signing

Signature

3

Date

Total number of pages including cover sheet, attachments, and

## **ASSIGNMENT**

WHEREAS, I, VLADIMIR KRAVTSOV, am the sole inventor of "REDUCING PHASE NOISE IN PHASE-ENCODED COMMUNICATIONS SIGNALS" application for United States Letters Patent which is executed of even date herewith; and

WHEREAS, INTEL CORPORATION, a corporation created and existing under and by virtue of the laws of the State of Delaware is desirous of acquiring the entire right, title and interest in and to the aforesaid invention throughout the world, and all right, title and interest in, to and under any and all Letters Patent of the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell, assign, transfer and set over to INTEL CORPORATION all right, title and interest in and to the said invention throughout the world, and said application for U.S. Letters Patent, and any and all divisions, continuations, and reissues thereof, and any and all Letters Patent of the United States and foreign countries which may be granted therefor, the same to be held and enjoyed by INTEL CORPORATION for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States or foreign countries are or may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application and from any and all divisions, continuations, and reissues thereof, to INTEL CORPORATION as assignee of my entire interest, and hereby covenant that I have the full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith.

And I further hereby covenant and agree that I will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title of said invention and to such Letters Patent as may be granted therefor, to INTEL CORPORATION, its successors, assigns, or other legal representatives and that if INTEL CORPORATION, its successors, assigns or other legal representatives shall desire to file any divisional or continuation applications or to secure a reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filing of such divisional or continuation application, or such application for reissue and the procuring thereof, and for the filing of such disclaimer, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

And I do further covenant and agree that I will, at any time upon request, communicate to INTEL CORPORATION, its successors, assigns or other legal representatives, such facts relating to said invention and Letters Patent or the file history thereof as may be known to me, and testify as to the same in any interference or other litigation when requested so to do, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

EXECUTED THIS 27 day of Feb, 2003.

  
Name: VLADIMIR KRAVTSOV

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