



12-12-2002



102311624

PATENT
cket No.: MTKP0026USA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re

12-9-02

RECORDING COVER SHEET

1. Assignor:
 - 1) **Ching-San Wu**
No.65, Alley 104, Lane 648, Min-Hu St., Hsin-Chu City, Taiwan, R.O.C.
 - 2) **Chien-Ming Chen**
8F, No.99, San-Min Rd., Hsin-Chu City, Taiwan, R.O.C.
2. Assignee: **MediaTek Inc.**
1F, No. 13, Innovation Road 1, Science-Based Industrial Park, Hsin-Chu City, Taiwan, R.O.C.
3. Nature of Conveyance: Assignment of patent
4. Reference number: 10/065,658
5. Correspondence to: Winston Hsu , Reg. No 41,526
Mord Michael Lewis, Reg. No 50,478
P.O. BOX 506
Merrifield, VA 22116
U.S.A.
6. Number of applications affected by this recording: 1
Total fee: (1 x \$ 40) = \$ 40.00
Authorization is hereby given to charge the payment to deposit account #500801
7. Execution date of the document to be recorded: 10/29/2002
8. Total number of pages including cover sheet : 3
9. I declare under penalty of perjury that to the best of my knowledge and belief, the information contained on this cover sheet is true and correct, and that any copy submitted herewith is a true and correct copy of the original document.

Date: 12/5/2002

Winston Hsu

Winston Hsu
U.S. Patent Agent
Reg. No.:41,526

PATENT ASSIGNMENT

SUBMISSION TYPE: NEW ASSIGNMENT

APPLICATION NUMBER
10/065658

NATURE OF CONVEYANCE: ASSIGNMENT OF ASSIGNOR'S INTEREST

CONVEYING PARTY DATA

Name: Wu, Ching-San

Execution Date: 10/29/2002

Name: Chen, Chien-Ming

Execution Date: 10/29/2002

RECEIVING PARTY DATA

Name: MediaTek Inc.

Street Address: 1F, No.13, Innovation Road 1

Internal Address: Science-Based Industrial Park

City: Hsin-Chu City

State:

Country: TAIWAN

Postal Code:

The USPTO, Office of Public Records, will send correspondence via facsimile to **FAX NUMBER: +886-8923-7390**

CORRESPONDENCE DATA:

Correspondence will be sent via US Mail when a fax number

has not been provided or the fax attempt is unsuccessful.

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 027765

NAME OF PERSON SIGNING: WINSTON HSU

DATE SIGNED: 11/07/2002

Total Attachments: 2

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS (Inventors):

Name: Ching-San Wu Nationality: R.O.C.

Address: No. 65, Alley 104, Lane 648, Min-Hu Rd., Hsin-Chu City, Taiwan, R.O.C.

Name: Chien-Ming Chen Nationality: R.O.C.

Address: 8F, No. 99, San-Min Rd., Hsin-Chu City, Taiwan, R.O.C.

Name: _____ Nationality: _____

Address: _____

Name: _____ Nationality: _____

Address: _____

Hereby sells, assigns and transfers to MediaTek Inc. (hereinafter "Assignee"), of (Assignee address) 1F, No. 13, Innovation Road 1, Science-Based Industrial Park, Hsin-Chu City, Taiwan, R.O.C., and the successors assigns and legal representatives of the ASSIGNEE the entire right, title, and interest in and to any and all improvements which are disclosed in the invention entitled:

" Charge pump structure for reducing capacitance in loop filter of a phase locked loop "

Which is found in :

- (a) _____ U.S. patent application executed on even date herewith
 (b) _____ U.S. patent application executed on _____
 (c) _____ U.S. application serial no. _____
 (d) _____ patent no. _____ issued _____

Assignment, Page 1 of 2

and, in and to, all Letters Patent to be obtained for said invention by the above application or ant continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the proposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this Oct. 29, 2002 (Date of signing).

(Type name of inventor)

Signature of INVENTOR

Ching-San Wu

Ching-San Wu

Chien-Ming Chen

Chien-Ming Chen

Assignment, Page 2 of 2

DS2002CU0005606

F#NPO-P0002E-US1

RECORDED: 12/09/2002

PATENT
REEL: 013558 FRAME: 0221