



09-10-2003



PATENT

102546002

Docket No.: PMXP0161USA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

9-503 **RECORDING COVER SHEET**

1. Assignor:

A) Chun-Ming Hsu

6F-1, No. 2, Lin-Sen S. Rd., Taipei City, Taiwan, R.O.C.

B) Ai-Chieh Lu

No. 112, An-Le Rd., Chung-Ho City, Taipei Hsien, Taiwan, R.O.C.

C) Yueh-Yi Wang

No. 16, Lane 3, Chung-Hsin St., Tai-Chung City, Taiwan, R.O.C.

2. Assignee: PRIMAX ELECTRONICS LTD.

No. 669, Ruey-Kuang Rd., Neihu, Taipei City, Taiwan, R.O.C.

3. Nature of Conveyance: Assignment of patent

4. Reference number: Application filed herewith.

Document ID No.: 800007236

5. Correspondence to: Winston Hsu, Reg. No 41,526

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: 07/12/2003

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:

9/13/2003

Winston Hsu

Winston Hsu

U.S. Patent Agent

Reg. No.:41,526

09/14/2003 LABELLER 00000079 500001 10604357

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Recording Cover Sheet Page 1 of 1

PATENT

REEL: 014463 FRAME: 0107

**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: Chun-Ming Hsu Nationality: R.O.C.

Address: 6F-1, No. 2, Lin-Sen S. Rd., Taipei City, Taiwan, R.O.C.

Name: Ai-Chieh Lu Nationality: R.O.C.

Address: No. 112, An-Le Rd., Chung-Ho City., Taipei Hsien, Taiwan, R.O.C.

Name: Yueh-Yi Wang Nationality: R.O.C.

Address: No. 16, Lane 3, Chung-Hsin St., Tai-Chung City, Taiwan, R.O.C.

Hereby sells, assigns and transfers to **PRIMAX ELECTRONICS LTD.**

(hereinafter 'Assignee'), of (Assignee address)

**No.669, Ruey-Kuang Rd., Neihu, Taipei 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:

**"METHOD OF MOTION VECTOR DETERMINATION IN DIGITAL VIDEO  
COMPRESSION"**

Which is found in :

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

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 7/12/2003 (Date of signing).

(Type name of inventor)

Chun-Ming Hsu

Ai-Chieh Lu

Yueh-Yi Wang

**Signature of INVENTOR**

Chun-Ming Hsu

Ai-Chieh Lu

Yueh-Yi Wang



D \$

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	<b>Application Number</b>	10/604,357
	<b>Filing Date</b>	07/14/2003
	<b>First Named Inventor</b>	Chun-Ming Hsu
	<b>Group Art Unit</b>	
	<b>Examiner Name</b>	
<b>Total Number of Pages in This Submission</b>	<b>5</b>	<b>Attorney Docket Number</b> PMXP0161USA

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <b>Recording cover sheet</b>
<b>Remarks</b>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
<b>Firm or Individual name</b>	Winston Hsu, Reg. No.: 41,526
<b>Signature</b>	<i>Winston Hsu</i>
<b>Date</b>	9/3/2003

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>			
<b>Typed or printed name</b>			
<b>Signature</b>		<b>Date</b>	

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PTO/SB/17 (01-03)

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# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 40.00)

**Complete if Known**

Application Number	10/604,357
Filing Date	07/14/2003
First Named Inventor	Chun-Ming Hsu
Examiner Name	
Art Unit	
Attorney Docket No.	PMXP0161USA

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number  
Deposit Account Name

50-0801

North America International Patent Office

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$ 0.00)

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims		Extra Claims		Fee from below		Fee Paid	
Independent Claims		-20** =		X			
Multiple Dependent		-3** =		X			

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	84	2201	42	Independent claims in excess of 3	
1203	280	2203	140	Multiple dependent claim, if not paid	
1204	84	2204	42	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$ 0.00)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00)

**SUBMITTED BY**

Name (Print/Type)	Winston Hsu	Registration No. (Attorney/Agent)	41,526	Telephone	886289237350
Signature	<i>Winston Hsu</i>	Date	9/13/2003		

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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RECORDED: 09/05/2003

PATENT  
REEL: 014463 FRAME: 0111