

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ching-Wen CHENG</td> <td>03/06/2012</td> </tr> <tr> <td>Yung-Chun LIN</td> <td>03/06/2012</td> </tr> <tr> <td>Jia-Wei WU</td> <td>05/16/2012</td> </tr> <tr> <td>Shun-Ren YANG</td> <td>03/23/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ching-Wen CHENG	03/06/2012	Yung-Chun LIN	03/06/2012	Jia-Wei WU	05/16/2012	Shun-Ren YANG	03/23/2012
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RECEIVING PARTY DATA											
Name:	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE										
Street Address:	No. 195, Sec. 4, Chung Hsing Rd., Chutung										
City:	Hsinchu										
State/Country:	TAIWAN										
Postal Code:	31040										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13541123</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13541123						
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Application Number:	13541123										
CORRESPONDENCE DATA											
Fax Number:	(202)408-0924										
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Correspondent Name:	Steven M. Rabin										
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ATTORNEY DOCKET NUMBER:	LON 400										
NAME OF SUBMITTER:	Steven M. Rabin										
Total Attachments: 3 source=LON400-Ass#page1.tif source=LON400-Ass#page2.tif source=LON400-Ass#page3.tif											

OP \$40.00 13541123

UTILITY
SOLE/JOINT-U.S. ONLY

ASSIGNMENT

WHEREAS, I/we, Ching-Wen Cheng, Yung-Chun Lin, Jia-Wei Wu and Shun-Ren Yang, whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, have invented certain new and useful improvements in AUTHENTICATION METHOD AND APPARATUS FOR USER EQUIPMENT AND LIPA NETWORK ENTITIES (hereinafter referred to as the Invention) for which an application for United States Letters Patent was

- executed on even date herewith;
- executed on _____;
- filed on _____, Serial No. _____;
- filed as PCT International Application No. _____ on _____, designating The United States of America;
- Patent number _____, issue on _____.

WHEREAS, Industrial Technology Research Institute, whose post office address is No. 195, Sec. 4, Chung Hsing Rd., Chutung, Hsinchu 31040, Taiwan, R. O. C. hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I/we, ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said invention and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Director of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof, and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Assignor: **Ching-Wen Cheng**
No. 3, Lane 801,
Da-An St., East Dist.,
Tainan City,
Taiwan, R. O. C.

Dated this 06 day of Mar. 2012 at Taiwan, R. O. C.

Ching-Wen Cheng

Signature

Assignor: **Yung-Chun Lin**
3F., No. 62, Zhuangjing 3rd Rd.,
Zhubei City,
Hsinchu County,
Taiwan, R. O. C.

Dated this 06 day of Mar. 2012 at Taiwan, R. O. C.

Yung-Chun Lin

Signature

Assignor: **Jia-Wei Wu**
2F, No.8, Lane 205,
Sec. 3, Zhongxing Rd.,
Xindian City, Taipei Hsien,
Taiwan, R. O. C.

Dated this _____ day of _____ at Taiwan, R. O. C.

Signature

CONTINUED ON PAGE 2

UTILITY
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WHEREAS, I/we, Ching-Wen Cheng, Yung-Chun Lin, Jia-Wei Wu and Shun-Ren Yang, whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, have invented certain new and useful improvements in AUTHENTICATION METHOD AND APPARATUS FOR USER EQUIPMENT AND LIPA NETWORK ENTITIES (hereinafter referred to as the Invention) for which an application for United States Letters Patent was

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Assignor: **Ching-Wen Cheng**
 No. 3, Lane 801,
 Da-An St., East Dist.,
 Tainan City,
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Dated this _____ day of _____ at Taiwan, R. O. C.

Assignor: **Yung-Chun Lin**
 3F., No. 62, Zhuangjing 3rd Rd.,
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Dated this _____ day of _____ at Taiwan, R. O. C.

Assignor: **Jia-Wei Wu**
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 Taiwan, R. O. C.

Dated this 16 day of May 2012 at Taiwan, R. O. C.

Jia - wei Wu

Signature

CONTINUED ON PAGE 2

PATENT
REEL: 028484 FRAME: 0594

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**ASSIGNMENT
(SUPPLEMENTAL SHEET)
PAGE 2**

Title: AUTHENTICATION METHOD AND APPARATUS FOR USER EQUIPMENT AND LIPA NETWORK ENTITIES

Inventors: Ching-Wen Cheng, Yung-Chun Lin, Jia-Wei Wu and Shun-Ren Yang

**Assignor: Shun-Ren Yang
No. 538-5, Zhongshan Rd.,
Qingshui Dist.,
Taichung City,
Taiwan, R. O. C.**

Dated this 23 day of March 2012 at Taiwan, R. O. C.

Shun-Ren Yang
Signature