

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>Zulhedry Abdul Manaf</td> <td>04/29/2013</td> </tr> <tr> <td>Dress Andriyanto M. Ssi -</td> <td>04/30/2013</td> </tr> <tr> <td>Dedy Tarsono -</td> <td>04/30/2013</td> </tr> <tr> <td>Asmahanim Ahmad</td> <td>04/29/2013</td> </tr> </tbody> </table>		Name	Execution Date	Zulhedry Abdul Manaf	04/29/2013	Dress Andriyanto M. Ssi -	04/30/2013	Dedy Tarsono -	04/30/2013	Asmahanim Ahmad	04/29/2013
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Asmahanim Ahmad	04/29/2013										
RECEIVING PARTY DATA											
Name:	Telekom Malaysia Berhad										
Street Address:	Level 51, North Wing, Menara TM,										
Internal Address:	Jalan Pantai Baharu										
City:	Kuala Lumpur										
State/Country:	MALAYSIA										
Postal Code:	50672										
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>13857270</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13857270						
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Application Number:	13857270										
CORRESPONDENCE DATA											
Fax Number:	6175002499										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	3G101-002001										
NAME OF SUBMITTER:	Graci Smith										
Signature:	/Graci Smith/										

Date:

05/21/2013

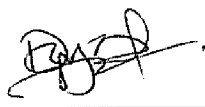
Total Attachments: 2

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ASSIGNMENT

For valuable consideration, we, **Zulhedry Abdul Manaf** of No. 16, Jalan 3/1, Seksyen 3 Tambahan, Bandar Baru Bangi, 43650 Selangor, Malaysia, **Dress Adriyanto M. Ssi** of J1, Ir. H Juanda No. 9/159A, Bandung Gg. Wardia Rt 07/RW09, Jawa Barat Indonesia 40135, **Dedy Tarsono** of J1, Cisaranten Kulon, No. 101 Rt. 4 Rw. 2, Bandung 40293 Jawa Barat, Indonesia, **Asmahanim Ahmad** of No. 20 Jalan Saujana 1/13, Taman Desa Saujana, Sg. Merab, 43000 Kajang Selangor, Malaysia, hereby assign to **Telekom Malaysia Berhad**, having a place of business at Level 51, North Wing, Menara TM., Jalan Pantai Baharu, 50672, Kuala Lumpur, Malaysia, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled **IMPROVED BROADBAND OPTICAL COMMUNICATION NETWORK HAVING OPTICAL CHANNEL PROTECTION APPARATUS**, filed 4/5/2013, and assigned U.S. Serial Number 13/857,270, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

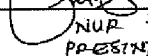
Date: 09 / 14 / 2013


 Zulhedry Abdul Manaf

WITNESS:


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Date: 30/4/2013

Dress Adriyanto
Dress Adriyanto M. Ssi

WITNESS: [Signature]
Name: SUHANA
Address: AMPANG, SELANGOR

WITNESS: [Signature]
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Address: AMPANG, SELANGOR

Date: 30/4/2013

Dedy Tarsono
Dedy Tarsono

WITNESS: [Signature]
Name: SUHANA
Address: AMPANG, SELANGOR

WITNESS: [Signature]
Name: SITI ZAINAB BINTI ROMLI
Address: AMPANG, SELANGOR

Date: 29.4.2013

[Signature]
Asmatanim Ahmad

WITNESS: [Signature]
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Address: TURGO SON. BHD
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WITNESS: [Signature]
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Address: PAESINT II, PUTRAJAYA