

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>Dr.-Ing. Yang Lu</td><td>08/10/2011</td></tr><tr><td>Dierk Dohmann</td><td>08/25/2011</td></tr><tr><td>Dr. Leo Patanapongpibul</td><td>09/14/2011</td></tr></tbody></table>		Name	Execution Date	Dr.-Ing. Yang Lu	08/10/2011	Dierk Dohmann	08/25/2011	Dr. Leo Patanapongpibul	09/14/2011		
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Dr. Leo Patanapongpibul	09/14/2011										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Vodafone Holding GmbH</td></tr><tr><td>Street Address:</td><td>Mannesmannufer 2</td></tr><tr><td>City:</td><td>Dusseldorf</td></tr><tr><td>State/Country:</td><td>GERMANY</td></tr><tr><td>Postal Code:</td><td>40213</td></tr></table>		Name:	Vodafone Holding GmbH	Street Address:	Mannesmannufer 2	City:	Dusseldorf	State/Country:	GERMANY	Postal Code:	40213
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
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NAME OF SUBMITTER:	Barry D. Blount										
Total Attachments: 4											
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OP \$40.00 13197315

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PATENT
REEL: 026974 FRAME: 0398

ASSIGNMENT

Application No: 13/197,315

Filed: August 3, 2011

Title: Routing of a Message in A Shared Radio Access Network


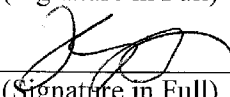

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign to **Vodafone Holding GmbH**, Mannesmannufer 2, 40213 Düsseldorf, Germany (hereinafter "assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in the above-identified application for Letters Patent, and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient and for said consideration the undersigned further agree upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

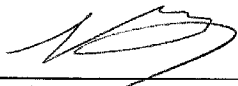
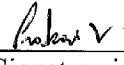

I/we authorize and request that any attorney associated with PTO Customer No. 69590 may insert additional information identifying said Patent Application, United States Patent Application and/or United States Provisional Application(s) after execution of this agreement.

Inventor (1)	<u>Dr.-Ing. Yang Lu</u>	<u></u>	Date: <u>10. August. 2011</u>
	(Type or Print Name)	(Signature in Full)	
1st Witness	<u>Ingo Bolek</u>	<u></u>	
	(Type or Print Name)	(Signature in Full)	
2nd Witness	<u>Cecile Guilband</u>	<u></u>	
	(Type or Print Name)	(Signature in Full)	

I/we authorize and request that any attorney associated with PTO Customer No. 69590 may insert additional information identifying said Patent Application, United States Patent Application and/or United States Provisional Application(s) after execution of this agreement.

Inventor (2)	<u>Dierk Dohmann</u>	<u><i>Dierk Dohmann</i></u>	Date: <u>25.08.11</u>
	(Type or Print Name)	(Signature in Full)	
1st Witness	<u>Maximilian Schulze</u>	<u><i>B. Schulze</i></u>	
	(Type or Print Name)	(Signature in Full)	
2nd Witness	<u>Harald Trapp</u>	<u><i>H. Trapp</i></u>	
	(Type or Print Name)	(Signature in Full)	

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Inventor (3)	<u>Dr. Leo Patanapongpibul</u> (Type or Print Name)	<u></u> (Signature in Full)	Date: <u>14/9/11</u>
1st Witness	<u>PRAKASH BHAT</u> (Type or Print Name)	<u></u> (Signature in Full)	
2nd Witness	<u>ADRIAN NEAL</u> (Type or Print Name)	<u></u> (Signature in Full)	