

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4589083

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	OLAF ZINGLER	06/28/2017
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<b>State/Country:</b>	GERMANY	
<b>Postal Code:</b>	53113	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	15554716
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<b>SIGNATURE:</b>	/Erik R. Swanson/	
<b>DATE SIGNED:</b>	09/12/2017	
<b>Total Attachments: 2</b>		
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**ASSIGNMENT**

I, Olaf Zingler, residing at Dollendorfer Allee 6; 53227 Bonn; GERMANY;

and each of us, if more than one person is identified above, have invented and own a certain invention entitled:

IMPROVING OVERALL NETWORK PERFORMANCE AND/OR OVERALL QUALITY  
OF SERVICE OF A MOBILE COMMUNICATION NETWORK BY ASSIGNING A  
PHYSICAL CELL IDENTIFIER INFORMATION TO A PLURALITY OF RADIO CELLS

for which invention International Application No. PCT/EP2016/052971 was filed on  
February 12, 2016, designating the U.S. and

**WHEREAS,**

Deutsche Telekom AG

having an address at Friedrich-Ebert-Allee 140; 53113 Bonn; GERMANY,

hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign  
right, title, and interest in and under the invention described in the above patent application.

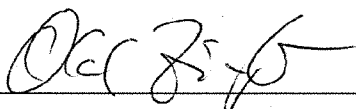
**NOW, THEREFORE,** for good and valuable consideration, the receipt and sufficiency  
of which are hereby acknowledged, I/we assign and transfer to the Assignee and the  
Assignee's legal representatives, successors and assigns my/our full and exclusive rights in  
and to the invention in the U.S. and every foreign country and my/our entire right, title, and  
interest in and to the patent application and other such applications (e.g., provisional  
applications, non-provisional applications, continuations, continuations-in-part, divisionals,  
reissues, reexaminations, National phase applications, including petty patent applications, and  
utility model applications) that may be filed in the United States and every foreign country on  
the invention, and the patents, extensions, or derivations thereof, both foreign and domestic,  
that may issue thereon, and I/we do hereby authorize and request the Commissioner of

Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

UPON SAID CONSIDERATION, I/we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

I/WE DO HEREBY COVENANT and agree with the Assignee that I/we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that I/we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

Date 28.06.2017

  
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Olaf Zingler, Inventor