

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CÉLIO FONSECA BARBOSA	08/20/2015
FLÁVIO EDUARDO NALLIN	08/20/2015
RAPHAEL NUNES DE SOUZA	08/21/2015
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<b>City:</b>	RIO DE JANEIRO
<b>State/Country:</b>	BRAZIL
<b>Postal Code:</b>	RJ20080-002
<b>Name:</b>	FUNDAÇÃO CPQD - CENTRO DE PESQUISA E DESENVOLVIMENTO EM TELECÔMUNICAÇÕES
<b>Street Address:</b>	RODOVIA CAMPINAS MOGI MIRIM KM 118,5, S/N, SP 340, FAZENDA PAU D ALHO
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<b>State/Country:</b>	BRAZIL
<b>Postal Code:</b>	SP 13086-902
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14796684
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(414)277-0656
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<b>ATTORNEY DOCKET NUMBER:</b>	206119-9002-US00

<b>NAME OF SUBMITTER:</b>	THOMAS A. MILLER
<b>SIGNATURE:</b>	/thomas a. miller/
<b>DATE SIGNED:</b>	10/14/2015
<b>Total Attachments: 2</b> source=17918510_206119-9002-US00_Executed_Assignment_-_as_filed#page1.tif source=17918510_206119-9002-US00_Executed_Assignment_-_as_filed#page2.tif	

## ASSIGNMENT

Pursuant to our obligation to Light Serviços de Eletricidade S/A, a Brazilian company having its principal place of business at Av Marechal Floriano 168, Centro, Rio de Janeiro - RJ 20080-002 Brazil, and to our obligation to Fundação CPQD - Centro de Pesquisa e Desenvolvimento em Telecomunicações, a Brazilian company having its principal place of business at Rodovia Campinas Mogi Mirim km 118,5, S/N, SP 340, Fazenda Pau D Alho, Campinas – SP 13086-902 Brazil (both of which hereinafter referred to as “Assignees”),

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged,  
we:

Célio Fonseca Barbosa  
Rua Aristides Lobo, 242,  
Campinas -SP, CEP 13.083-060  
Brazil

Flávio Eduardo Nallin  
Av. Eng. Luis Antonio Laloni 321, casa 121  
Campinas -SP, CEP 13.086-700  
Brazil

Raphael Nunes de Souza  
Av. Luis Smanio 916, Jardim Chapadao  
Campinas -SP, CEP 13.070-058  
Brazil

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest -

(1) in and to inventions described in a patent application titled “DEVICE AND METHOD FOR INSPECTING ALUMINUM CABLES WITH A STEEL CORE (ALUMINUM CONDUCTOR STEEL REINFORCED - ASCR) INSTALLED IN ENERGIZED ELECTRICAL ENERGY LINES” for which we filed United States Patent Application No. 14/796,684 (Atty. File No. 206119-9002-US00) (hereinafter the “U.S. utility patent application”);

(2) in and to the U.S. utility patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, 35 U.S.C. §111(b) provisional, 35 U.S.C. §111(a), and reissue applications) based upon said inventions, and in and to the patent or patents to be granted thereon, to the full end of the term or terms for which said patent or patents may be granted;

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and

(4) under the International Convention in respect to the U.S. utility patent application and agree that any patent applications of any foreign countries which may be filed shall be filed in the name of our Assignee with a claim to priority based on either or both of the U.S. utility patent application.

We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

The Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said patent or patents to Assignee.

August 20, 2015  
Date

Célio Fonseca Barbosa  
Célio Fonseca Barbosa

AUGUST 20, 2015  
Date

Flávio Eduardo Nallin  
Flávio Eduardo Nallin

AUGUST 21, 2015  
Date

Raphael Nunes de Souza  
Raphael Nunes de Souza