504329365 04/20/2017

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15520424

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SIGNATURE: /MMF/

DATE SIGNED: 04/20/2017

Total Attachments: 1

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PATENT 504329365 REEL: 042285 FRAME: 0676

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

Miguel VIDAL DRUMMOND, Rogério NUNES NOGUEIRA and Vancesa CUNHA
DUARTE

(hereinafter called the "assignor(s)"), hereby sell(s), assign(s) and transfer(s) to:

INSTITUTO DE TELECOMUNICAÇÕES Avenida Rovisco País, Nº 1 Lisboa 1049-001 Lisbon PORTUGAL

(hereinafter called the "assignee(s)"), its/his successors, assignees, nominees or other legal representatives, the assignor's entire right, title and interest in and to the invention entitled:

PHOTONIC BEAMFORMING SYSTEM FOR A PHASED ARRAY ANTENNA RECEIVER

described and claimed in the following patent applications:

U.S. Patent Application identified as Attorney Docket No. 6554/1 submitted herewith.

and in and to said Patent Applications, and all original and reissued Patents granted therefore, and all divisions and continuations thereof, including the right to apply and obtain Patents in all other countries, the priority rights under International Conventions, and the Letters Patent which may be granted thereon.

Signed and sealed this 30 day of March, 2017

Rogérió NUNES NÓGUEIRA

Vanessa CUNHA DUARTE

RECORDED: 04/20/2017

PATENT REEL: 042285 FRAME: 0677