

## 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>        |
| ANTONIO PASTOR PERALES  | 03/12/2019                   |
| DIEGO R. LOPEZ  | 03/13/2019                   |
| ALBERTO MOZO VELASCO  | 03/28/2019                   |
| SANDRA GOMEZ CANAVAL  | 03/28/2019                   |
| <b>RECEIVING PARTY DATA</b>   |                              |
| <b>Name:</b>  | TELEFONICA, S.A.             |
| <b>Street Address:</b>  | GRAN VIA, 28                 |
| <b>City:</b>  | MADRID                       |
| <b>State/Country:</b>   | SPAIN                        |
| <b>Postal Code:</b>   | 28013                        |
| <b>PROPERTY NUMBERS Total: 1</b>  |                              |
| <b>Property Type</b>  | <b>Number</b>                |
| <b>Application Number:</b>  | 16359336                     |
| <b>CORRESPONDENCE DATA</b>  |                              |
| <b>Fax Number:</b>  | (612)339-6580                |
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| <b>Correspondent Name:</b>  | ALAN M. KOENCK               |
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| <b>Address Line 4:</b>  | MINNEAPOLIS, MINNESOTA 55415 |
| <b>ATTORNEY DOCKET NUMBER:</b>  | T442.312-0001                |
| <b>NAME OF SUBMITTER:</b>   | ALAN M. KOENCK               |
| <b>SIGNATURE:</b>   | /Alan M. Koenck/             |
| <b>DATE SIGNED:</b>   | 06/11/2019                   |
| <b>Total Attachments: 4</b>   |                              |
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# ASSIGNMENT

Attorney Docket No.

T442.312-0001

First Named Inventor : Antonio Pastor Perales

Title : METHOD AND SYSTEM FOR TRAINING AND VALIDATING MACHINE LEARNING IN NETWORK ENVIRONMENTS

WHEREAS, I, Antonio Pastor Perales, of Madrid, Spain; Diego R. López, of Madrid, Spain; Alberto Mozo Velasco, of Madrid, Spain; and Sandra Gomez Canaval, of Madrid, Spain, have invented certain new and useful improvements as described in an application entitled METHOD AND SYSTEM FOR TRAINING AND VALIDATING MACHINE LEARNING IN NETWORK ENVIRONMENTS for Letters Patent of the United States, the application being identifiable by its title and named inventors above, and/or being identifiable in the United States Patent and Trademark Office by Application No. 16/359,336, filed March 20, 2019; and

WHEREAS, TELEFONICA, S.A., a corporation organized and existing under the laws of Spain, and having offices at Gran Via, 28, Madrid, Spain 28013, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, corresponding domestic and foreign applications, all Letters Patent or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and I authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and application number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.



Antonio Pastor Perales

12th March 2019

Date

Witness Signature

Witness Printed Name

# ASSIGNMENT

Attorney Docket No.

T442.312-0001

First Named Inventor : Antonio Pastor Perales

Title : METHOD AND SYSTEM FOR TRAINING AND VALIDATING MACHINE  
LEARNING IN NETWORK ENVIRONMENTS



Diego R. López

13th March 2019

Date

Witness Signature

Witness Printed Name

Alberto Mozo Velasco

Date

Witness Signature

Witness Printed Name

Sandra Gomez Canaval

Date

Witness Signature

Witness Printed Name

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Title : METHOD AND SYSTEM FOR TRAINING AND VALIDATING MACHINE LEARNING IN NETWORK ENVIRONMENTS

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Diego R. López

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Witness Signature

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Witness Printed Name

  
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Alberto Mozo Velasco

\_\_\_\_\_  
Date

March 28, 2019

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Witness Signature

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Witness Printed Name

\_\_\_\_\_  
Sandra Gomez Canaval

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Date

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\_\_\_\_\_  
Sandra Gomez Canaval

\_\_\_\_\_  
March 28, 2019  
Date

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Witness Signature

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Witness Printed Name