

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| JOAO FRANCISCO CORDEIRO DE OLIVERIA BARROS | 09/23/2014 |
| JOAO PAULO PATRIARCA DE ALMEIDA | 09/23/2014 |
| MATE BOBAN | 09/23/2014 |
| SAURABH SHINTRE | 09/23/2014 |
| RECEIVING PARTY DATA | |
| Name: | UNIVERSIDADE DO PORTO |
| Street Address: | GABINETE UPIN, PRACA GOMES TEIXEIRA 4 |
| Internal Address: | ANDAR, SALA 419 |
| City: | PORTO |
| State/Country: | PORTUGAL |
| Postal Code: | 4099-002 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14402536 |
| CORRESPONDENCE DATA | |
| Fax Number: | |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | |
| Phone: | 617-500-2500 |
| Email: | info@ORpatent.com |
| Correspondent Name: | OCCHIUTI & ROHLICEK LLP |
| Address Line 1: | 321 SUMMER STREET |
| Address Line 4: | BOSTON, MASSACHUSETTS 02210 |
| ATTORNEY DOCKET NUMBER: | 30154-003US1 |
| NAME OF SUBMITTER: | LISA A. WALSH |
| SIGNATURE: | /Lisa A. Walsh/ |
| DATE SIGNED: | 12/03/2014 |
| Total Attachments: 7 | |
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ASSIGNMENT

For valuable consideration, we, **João Francisco Cordeiro De Oliveira Barros** of Dep Engenharia Electrotécnica Computadores, Rua Dr. Roberto Frias, S/N, Porto, PT P-4200-465, **João Paulo Patriarca De Almeida** of Dep Engenharia Electrotécnica Computadores, Rua Dr. Roberto Frias, S/N, Porto, PT P-4200-465, **Mate Boban** of Dep Engenharia Electrotécnica Computadores, Rua Dr. Roberto Frias, S/N, Porto, PT P-4200-465, **Saurabh Shintre** of Dep Engenharia Electrotécnica Computadores, Rua Dr. Roberto Frias, S/N, Porto, PT P-4200-465, hereby assign to **Universidade Do Porto**, a corporation having a place of business at Gabinete UPIN, Praça Gomes Teixeira 4º andar, sala 419, P-4099—002, Porto, Portugal, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled **PROBABILISTIC KEY DISTRIBUTION IN VEHICULAR NETWORKS WITH INFRASTRUCTURE SUPPORT**, filed 11-20-2014, and assigned U.S. Serial Number 14/402,536, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: 2014/09/23

João Francisco Cordeiro De Oliveira Barros
João Francisco Cordeiro De Oliveira Barros

WITNESS:

Silvia Bettencourt Ribeiro
Name: SÍLVIA BETTENCOURT RIBEIRO

Address: RUA NOZINHO DE ALBUQUERQUE, 4450-200 MATOSINHOS

WITNESS:

Cristiana Silva

Name: CRISTIANA ISABEL MARQUES SILVA

Address: RUA DO MORANGAL SO C9 RICH DDO, VILA NOVA DE GAIA

Date: 2014/09/23

João Paulo Patriarca De Almeida

WITNESS:

Name:

Address: _____

WITNESS:

Name:

Address: _____

Date: 2014/09/23

Mate Boban

WITNESS:

Name:

Address: _____

WITNESS:

Name:

Address: _____

Date: 2014/09/23

Saurabh Shintre

WITNESS:

Name:

Address: _____

WITNESS:

Name:

Address: _____

Date: 2014/09/23

João Paulo Patriarca De Almeida
João Paulo Patriarca De Almeida

WITNESS:

Paulo César Elias Martins de Oliveira
Name:

Address: Rua Benjamin de Vasconcelos, 295
4425-455 Águas Santas, Paraíba

WITNESS:

Rui Costa
Name:

Address: Rua Salgueiro de Lima 1201
8080-777 Ovar, Portugal

Date: 2014/09/23

Mate Boban

WITNESS:

Name:

Address: _____

WITNESS:

Name:

Address: _____

Date: 2014/09/23

Saurabh Shintre

WITNESS:

Name:

Address: _____

WITNESS:

Name:

Address: _____

Date: 2014/09/23

João Paulo Patriarca De Almeida

WITNESS:

Name:

Address: _____

WITNESS:

Name:

Address: _____

Date: 2014/09/23

Mate Boban

WITNESS:

Name: Festag, Andreas

Address: Niederwoldstr 37
01277 Dresden, Germany

16. 09. 2014

WITNESS:

Name:

Address: _____

Date: 2014/09/23

Saurabh Shintre

WITNESS:

Name:

Address: _____

WITNESS:

Name:

Address: _____

Date: 2014/09/23

João Paulo Patriarca De Almeida

WITNESS:

Name:

Address: _____

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Name:

Address: _____

Date: 2014/09/23

Mate Boban

WITNESS:

Name:

Address: _____

WITNESS:

Name:

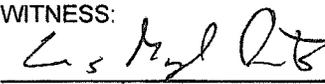
Address: _____

Date: 2014/09/23



Saurabh Shintre

WITNESS:



Name: LUIS PINTO

Address: RUA PALMEIRA 945
ERRESINDE, PORTO, PORTUGAL 4445-557

WITNESS:

Antonio Rodrigues
Name: ANTONIO RODRIGUES

Address: RUA DA GANDARA 121
4405-862 VILA NOVA DE GALA
PORTUGAL

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The information provided by you in this form will be subject to the following routine uses:

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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.