

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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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>                 |
| 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                            |
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| <b>Postal Code:</b>   | 4099-002                              |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                       |
| <b>Property Type</b>  | <b>Number</b>                         |
| <b>Application Number:</b>  | 14402536                              |
| <b>CORRESPONDENCE DATA</b>  |                                       |
| <b>Fax Number:</b>  |                                       |
| <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> |                                       |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | 30154-003US1                          |
| <b>NAME OF SUBMITTER:</b>   | LISA A. WALSH                         |
| <b>SIGNATURE:</b>   | /Lisa A. Walsh/                       |
| <b>DATE SIGNED:</b>   | 12/03/2014                            |
| <b>Total Attachments: 7</b>   |                                       |
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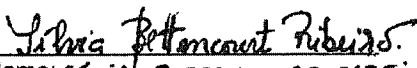
ASSIGNMENT

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.

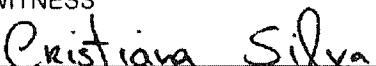
Date: 2014/09/23

  
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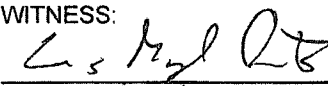
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## Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

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

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
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4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
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.