

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

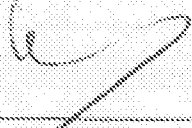
EPAS ID: PAT6477262

|                                                                                                                                                                                                 |                               |
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| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | RESUBMISSION                  |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                    |
| <b>RESUBMIT DOCUMENT ID:</b>                                                                                                                                                                    | 506310185                     |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                               |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>         |
| SÉBASTIEN DUGUE                                                                                                                                                                                 | 06/13/2019                    |
| CHRISTOPHE LAFERRIERE                                                                                                                                                                           | 06/13/2019                    |
| BENOIT WELTERLEN                                                                                                                                                                                | 10/16/2020                    |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                               |
| <b>Name:</b>                                                                                                                                                                                    | BULL SAS                      |
| <b>Street Address:</b>                                                                                                                                                                          | RUE JEAN JAURÉS               |
| <b>City:</b>                                                                                                                                                                                    | LES CLAYES SOUS BOIS          |
| <b>State/Country:</b>                                                                                                                                                                           | FRANCE                        |
| <b>Postal Code:</b>                                                                                                                                                                             | 78340                         |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                               |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                 |
| <b>Application Number:</b>                                                                                                                                                                      | 16958202                      |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                               |
| <b>Fax Number:</b>                                                                                                                                                                              | (703)816-4100                 |
| <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> |                               |
| <b>Phone:</b>                                                                                                                                                                                   | 7038164132                    |
| <b>Email:</b>                                                                                                                                                                                   | agoode@nixonvan.com           |
| <b>Correspondent Name:</b>                                                                                                                                                                      | NIXON & VANDERHYE P.C.        |
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| <b>Address Line 4:</b>                                                                                                                                                                          | ARLINGTON, VIRGINIA 22203     |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 7179-0364                     |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | ERIC JENSEN                   |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /ERIC JENSEN/                 |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 01/04/2021                    |
| This document serves as an Oath/Declaration (37 CFR 1.63).                                                                                                                                      |                               |
| <b>Total Attachments: 3</b>                                                                                                                                                                     |                               |
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source=7179-0364\_DECL-ASSMT#page3.tif

**COMBINED DECLARATION AND ASSIGNMENT  
USING AN APPLICATION DATA SHEET**

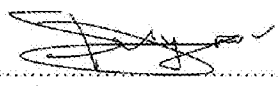
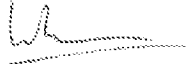
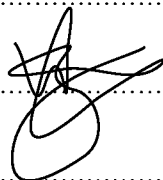
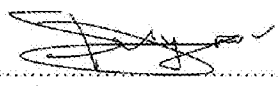
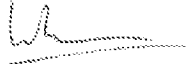
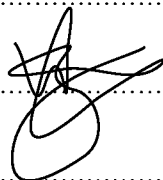
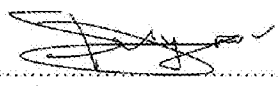
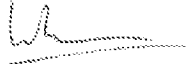
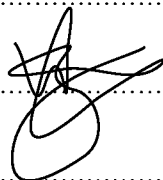
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| Title of<br>Invention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PROCÉDE DE GESTION DE PANNE DANS UN RESEAU DE NŒUDS ET<br>PARTIE DE RESEAU DE NŒUDS ASSOCIEE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| <p align="center"><b>STATEMENT<br/>OF ACCURATE TRANSLATION<br/>IN ACCORDANCE WITH 37 CFR §1.69(b):</b></p> <p>Date: May 3, 2019</p> <p>I, Regis VIGAND, hereby declare:<br/>I am proficient in and possess knowledge of the French and English languages. The French language declaration is, to the best of my knowledge and belief, a true and accurate translation of the corresponding English language declaration.</p> <p align="right">Signature: </p>                                                                                                                                                                                                                                                                                                                                               |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| <p align="center"><b>DECLARATION</b></p> <p>As the below named inventor, I hereby declare that:<br/>This declaration is directed to PCT international application number PCT/FR2018/053535 filed on 12-21- 2018.<br/>The above-identified application was made or authorized to be made by me.<br/>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.<br/>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.<br/>I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, and that I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.</p> |                                                                                              | <p align="center"><b>DECLARATION</b></p> <p>En qualité d'inventeur ci-dessous désigné, je déclare par les présentes que :<br/>La présente déclaration a trait à la demande internationale n° PCT/FR2018/053535 déposée le 21-12-2018.<br/>La demande ci-dessus a été déposée par mes soins ou j'en ai autorisé le dépôt.<br/>Je crois être l'inventeur original ou l'un des co-inventeurs originaux d'une invention revendiquée dans la demande.<br/>Par les présentes, je reconnais que toute fausse déclaration volontaire qui serait ci-incluse est passible d'une amende ou d'une incarcération d'une durée maximale de cinq (5) ans, ou des deux, en vertu de la section 1001 du titre 18 du Code des États-Unis (United States Code (USC)).<br/>J'indique par les présentes que j'ai lu et je comprends le contenu de la demande mentionnée ci-dessus, y compris les revendications, et que j'ai connaissance de l'obligation de communiquer à l'Office toute information qui me sont connues pour revêtir une importance pour la brevetabilité au sens de 37 C.F.R. 1.56.</p> |  |
| <p align="center"><b>ASSIGNMENT</b></p> <p>For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, We, the below named inventors:<br/><br/>Hereby sell, assign and transfer to</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                              | <p align="center"><b>CESSION</b></p> <p>Par le présent acte, pour une contrepartie valable dont la suffisance et la bonne réception sont ici reconnues, nous, inventeurs nommés ci-dessous,<br/><br/>Vends, cède et transfère à</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |

Multiple inventors

International Application No. PCT/FR2018/053535

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| <p>BULL SAS<br/>rue Jean Jaurès 78340 LES CLAYES SOUS BOIS<br/>FRANCE</p> <p>its successors, assigns and legal representatives, all hereinafter referred to as "said Assignee",</p> <p>The entire right, title and interest for the United States, in and to any and all inventions which are disclosed in an International Application for Patent filed in accordance with the Patent Cooperation Treaty (PCT)</p> <p>on 12-21- 2018<br/>under International Application Serial No. PCT/FR2018/053535,</p> <p>And in and to said application and all continuing, divisional, continuation-in-part, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on said any and all inventions;</p> <p>And in and to all original and reissued patents which have been or shall be issued in the United States on said any and all inventions including the right to apply for patent rights in the United States and all rights to priority, and further including the right to sue for any past infringement;</p> <p>Agree that said Assignee may apply for and receive Letters Patent for said any and all inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on said any and all inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said any and all inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said any and all inventions and for vesting title to said any and all inventions and all applications for patents and all patents on said inventions, in said Assignee;</p> <p>Request the Honorable Commissioner of Patents and</p> | <p>BULL SAS<br/>rue Jean Jaurès 78340 LES CLAYES SOUS BOIS<br/>FRANCE</p> <p>ses successeurs, cessionnaires et représentants légaux, auxquels il est ici fait référence collectivement par "ledit Cessionnaire",</p> <p>Tous les droits, titre et intérêts pour les États-Unis, se rapportant à toutes inventions décrites dans une demande internationale de brevet déposée au sens du Traité de Coopération en matière de Brevets (PCT)</p> <p>le 21-12-2018<br/>sous le numéro de demande internationale PCT/FR2018/053535,</p> <p>Et se rapportant à ladite demande et à toute demande en continuation, divisionnaire, en continuation partielle, en substitution, en renouvellement, en redélivrance et toutes autres demandes de brevet qui ont été ou seront déposées aux États-Unis sur lesdites inventions;</p> <p>Et dans tous brevets d'origine et redélivrés qui ont été ou seront accordés aux États-Unis sur lesdites inventions, y compris le droit de demander des droits de brevet aux États-Unis et tous droits de priorité, et incluant en outre le droit d'exercer des poursuites pour toute contrefaçon antérieure au présent acte;</p> <p>Consentons à ce que ledit Cessionnaire puisse déposer et se faire délivrer un brevet pour lesdites inventions en son propre nom; et acceptons, sur demande et sans rémunération additionnelle, mais aux frais dudit Cessionnaire, de mener à bien de bonne foi les intentions et buts exprimés au présent acte, en signant les documents requis pour toute demande divisionnaire, en continuation, en substitution, en renouvellement, en redélivrance et toutes autres demandes de brevet portant sur lesdites inventions; en signant tous serments, cessions, pouvoirs de mandataire et autres documents, en communiquant au cessionnaire tous les faits que nous connaissons se rapportant auxdites inventions et à leur histoire; et généralement en faisant tout ce qui est raisonnablement possible et que ledit Cessionnaire estimera souhaitable pour aider à obtenir et maintenir une protection adéquate desdites inventions par brevet et pour que la titularité desdites inventions et de tous brevets et demandes de brevet lesdites inventions soit affectée audit Cessionnaire;</p> <p>Requérons que l'Honorable Commissaire des Brevets</p> |
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| <p>Trademarks to issue said Letters Patent to said Assignee; and</p> <p>Represent that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>et Marques délivre ledit Brevet audit Cessionnaire; et</p> <p>Déclarons qu'aucune cession, concession, gage, licence ou autre convention affectant les droits et propriétés transférés par le présent acte n'a été effectuée par nous-mêmes au profit de tiers.</p> |                                                                                     |             |                  |                 |                  |                                                                                    |                       |                  |                                                                                     |                  |                  |                                                                                     |  |       |       |  |       |       |  |       |       |  |       |       |  |       |       |  |       |       |
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| <p><b>NAME OF INVENTORS:</b></p> <table border="1"> <thead> <tr> <th><u>Name</u></th> <th><u>Date</u></th> <th><u>Signature</u></th> </tr> </thead> <tbody> <tr> <td>DUGUE Sébastien</td> <td>...01/04/2020...</td> <td></td> </tr> <tr> <td>LAFERRIERE Christophe</td> <td>...01/04/2020...</td> <td></td> </tr> <tr> <td>WELTERLEN Benoit</td> <td>...01/04/2020...</td> <td></td> </tr> <tr> <td></td> <td>.....</td> <td>.....</td> </tr> <tr> <td></td> <td>.....</td> <td>.....</td> </tr> <tr> <td></td> <td>.....</td> <td>.....</td> </tr> <tr> <td></td> <td>.....</td> <td>.....</td> </tr> <tr> <td></td> <td>.....</td> <td>.....</td> </tr> <tr> <td></td> <td>.....</td> <td>.....</td> </tr> </tbody> </table> |                                                                                                                                                                                                                                                                        | <u>Name</u>                                                                         | <u>Date</u> | <u>Signature</u> | DUGUE Sébastien | ...01/04/2020... |  | LAFERRIERE Christophe | ...01/04/2020... |  | WELTERLEN Benoit | ...01/04/2020... |  |  | ..... | ..... |  | ..... | ..... |  | ..... | ..... |  | ..... | ..... |  | ..... | ..... |  | ..... | ..... |
| <u>Name</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u>Date</u>                                                                                                                                                                                                                                                            | <u>Signature</u>                                                                    |             |                  |                 |                  |                                                                                    |                       |                  |                                                                                     |                  |                  |                                                                                     |  |       |       |  |       |       |  |       |       |  |       |       |  |       |       |  |       |       |
| DUGUE Sébastien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ...01/04/2020...                                                                                                                                                                                                                                                       |   |             |                  |                 |                  |                                                                                    |                       |                  |                                                                                     |                  |                  |                                                                                     |  |       |       |  |       |       |  |       |       |  |       |       |  |       |       |  |       |       |
| LAFERRIERE Christophe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ...01/04/2020...                                                                                                                                                                                                                                                       |  |             |                  |                 |                  |                                                                                    |                       |                  |                                                                                     |                  |                  |                                                                                     |  |       |       |  |       |       |  |       |       |  |       |       |  |       |       |  |       |       |
| WELTERLEN Benoit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ...01/04/2020...                                                                                                                                                                                                                                                       |  |             |                  |                 |                  |                                                                                    |                       |                  |                                                                                     |                  |                  |                                                                                     |  |       |       |  |       |       |  |       |       |  |       |       |  |       |       |  |       |       |
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