PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3529606

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date | |
|---------------|----------------|--|
| JAMES A. HAAK | 09/16/2015 | |

RECEIVING PARTY DATA

| Name: | PANASONIC AVIONICS CORPORATION |
|-----------------|--------------------------------|
| Street Address: | 26200 ENTERPRISE WAY |
| City: | LAKE FOREST |
| State/Country: | CALIFORNIA |
| Postal Code: | 92630 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14856385 |

CORRESPONDENCE DATA

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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.

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| ATTORNEY DOCKET NUMBER: PANAS-005A (041NP) | |
|--|-------------------|
| NAME OF SUBMITTER: | BRUCE B. BRUNDA |
| SIGNATURE: | /Bruce B. Brunda/ |
| DATE SIGNED: | 09/16/2015 |

Total Attachments: 1

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PATENT 503482981 REEL: 036583 FRAME: 0659

ASSIGNMENT OF APPLICATION

Docket Number PANAS-005A (041 NP)

Whereas, I, <u>James A. Haak</u>, hereafter referred to as Assignor, have invented certain new and useful improvements in <u>Electronic Mail-Based Vehicle Crew Messaging</u> for which an application for a United States Patent was filed on or about the date of this assignment.; and

Whereas, <u>Panasonic Avionics Corporation</u> of <u>Lake Forest</u>, <u>California</u> herein referred to as "Assignee" whose mailing address is <u>26200 Enterprise Way</u>, <u>Lake Forest</u>, <u>California 92630</u> is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one hundred dollars (\$100.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said improvement in the United States, and by these presents do hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, Assignor's entire right, title and interest in, to and under said improvements, and said application and all divisions, renewals, continuations, and continuations-in-part thereof, and all United States Letters patent which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, including the full right to claim for any such application the priority benefits of the International Convention for the Protection of Industrial Property and other priority-conferring treaties, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, divisions, continuations, continuations-in-part, renewals and reissues thereof; and Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument; I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said Assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

| Executed this | 16th day of September | <i>e</i> , 2015, at | Bothell, WA | |
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By: James A. Haak

~ Total of 1 forms are submitted.

RECORDED: 09/16/2015