

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Steven B. Alexander</td><td>11/03/2008</td></tr><tr><td>Richard Redhead</td><td>11/03/2008</td></tr></tbody></table>		Name	Execution Date	Steven B. Alexander	11/03/2008	Richard Redhead	11/03/2008						
Name	Execution Date												
Steven B. Alexander	11/03/2008												
Richard Redhead	11/03/2008												
RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Interstate Electronics Corporation, a subsidiary of L-3 Communications Corporation</td></tr><tr><td>Street Address:</td><td>604 East Vermont Avenue</td></tr><tr><td>Internal Address:</td><td>P.O. Box 3117</td></tr><tr><td>City:</td><td>Anaheim</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>92803-3117</td></tr></table>		Name:	Interstate Electronics Corporation, a subsidiary of L-3 Communications Corporation	Street Address:	604 East Vermont Avenue	Internal Address:	P.O. Box 3117	City:	Anaheim	State/Country:	CALIFORNIA	Postal Code:	92803-3117
Name:	Interstate Electronics Corporation, a subsidiary of L-3 Communications Corporation												
Street Address:	604 East Vermont Avenue												
Internal Address:	P.O. Box 3117												
City:	Anaheim												
State/Country:	CALIFORNIA												
Postal Code:	92803-3117												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12231315</td></tr></tbody></table>		Property Type	Number	Application Number:	12231315								
Property Type	Number												
Application Number:	12231315												
CORRESPONDENCE DATA													
Fax Number: (949)760-9502 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 3105513450													
Email: efiling@kmob.com													
Correspondent Name: Michael S. Okamoto													
Address Line 1: 2040 Main Street													
Address Line 2: 14th Floor													
Address Line 4: Irvine, CALIFORNIA 92614													
ATTORNEY DOCKET NUMBER:	INTER.112A												
NAME OF SUBMITTER:	Michael S. Okamoto												
Total Attachments: 3 source=INTER.112A (Assignment)#page1.tif													

CH \$40.00 12231315

500716232

PATENT  
REEL: 021896 FRAME: 0762

source=INTER.112A (Assignment)#page2.tif

source=INTER.112A (Assignment)#page3.tif

### **ASSIGNMENT**

WHEREAS, We, Steven B. Alexander, a citizen of the United States of America, residing at 7140 East Suffolk Circle, Orange, California 92869-1741, and Richard Redhead, a citizen of the United States of America, residing at 24255 Castilla, Mission Viejo, California 92691, have invented certain new and useful improvements in SYSTEMS AND METHODS FOR DETERMINING A ROTATIONAL POSITION OF AN OBJECT for which we have filed an application for Letters Patent in the United States, Application No. 12/231,315, filed on August 29, 2008;

AND WHEREAS, Interstate Electronics Corporation (hereinafter "ASSIGNEE"), a California Corporation, which is a subsidiary of L-3 Communications Corporation, a Delaware Corporation, with its principal place of business at 604 East Vermont Avenue, P.O. Box 3117, Anaheim, California 92803-3117, desires to acquire the entire right, title, and interest in and to said improvements and said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under said improvements, and said application including all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents 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.


AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

Application No.: 12/231,315  
Filing Date: August 29, 2008

**PATENT**  
Client Code: INTER.112A  
Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 3<sup>rd</sup> day of November, 2008.

  
Steven B. Alexander

STATE OF Calif. }  
COUNTY OF Orange } ss.

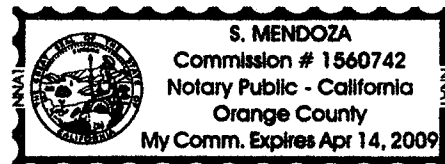
On 11/03/08, before me, S. Mendoza, notary public, personally appeared Steven B. Alexander who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]

  
Notary Signature



Application No.: 12/231,315  
Filing Date: August 29, 2008

PATENT  
Client Code: INTER.112A  
Page 3

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 3rd day of November, 2008.

Richard Redhead  
Richard Redhead

STATE OF Calif. }  
COUNTY OF Orange } ss.

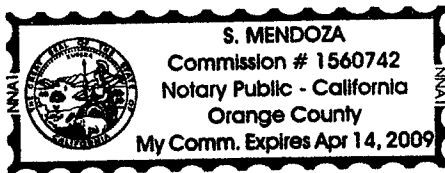
On 11/03/08, before me, S. Mendoza, notary public, personally appeared Richard Redhead who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]

S. Mendoza  
Notary Signature



ASSIGN2

5904468  
091008