PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Thomas W. Bastian	10/07/2010

RECEIVING PARTY DATA

Name:	RAYTHEON COMPANY
Street Address:	870 Winter Street
City:	Waltham
State/Country:	MASSACHUSETTS
Postal Code:	02451-1449

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12904881

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 085.0056 (09W097)

NAME OF SUBMITTER: Brett A. Carslon

Total Attachments: 2

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PATENT REEL: 025142 FRAME: 0051

United States Patent Application Attorney Docket No.: 085.0056 (09W097) First Named Inventor: Thomas W. Bastian

ASSIGNMENT

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has/have invented:

SYSTEMS, APPARATUS AND METHODS TO COMPENSATE FOR ROLL ORIENTATION VARIATIONS IN MISSILE COMPONENTS

(hereinafter, "the invention") for which application for Letters Patent of the United States:
has been executed on even date herewith;
[] was executed on ;
was filed on October 14, 2010 and assigned U.S. Application Serial
No 12/904.881 :
AND WHEREAS, Raytheon Company, 870 Winter Street, Waltham, MA 02451-1449
(hereinafter "ASSIGNEE"), and its successors, assigns, and legal representatives, is desirous of
acquiring, and the ASSIGNOR is desirous of assigning and transferring the entire right, title, and
interest therein:
AND WHEREAS, a "formal application," as referred to herein, shall mean any
provisional nonprovisional continuation, continuation in part, continued prosecution, substitute,
renewal, extension, divisional, reissue, reexamination, foreign, Patent Cooperation Treaty (PCT)
or other patent application, inventor's certificate, utility model, or like document;
NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency
of which are hereby acknowledged, ASSIGNOR does hereby irrevocably and unconditionally
assign and transfer unto ASSIGNEE, its successors, assigns, and legal representatives, the entire
right title and interest in and to the aforesaid application, to the invention as described in the
aforesaid application, and to any formal application which may be filed based in whole or in part
on the aforesaid application, in the United States and all foreign countries, together with the right
of priority under any international conventions, treaties and/or agreements to which the United
States currently adheres and adheres to in the future and with all ancillary rights thereto,
including the right to sue and recover for, and the right to profits or damages due or accrued,
arising our of or in connection with, any and all past, present or future infringements of any such
rights, and hereby authorizes and requests the Commissioner of Patents to issue said Letters
Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns, and
legal representatives;
AND ASSIGNOR authorizes ASSIGNEE, its successors, assigns, and legal
representatives, or anyone it may properly designate, to apply for Letters Patent, in its own name
if desired, in any and all foreign countries, and additionally to claim the filing date of aforesaid
application and/or otherwise take advantage of the provisions of any international convention,
treaty and/or agreement;

AND ASSIGNOR FURTHERMORE authorizes ASSIGNEE, its successors, assigns, and legal representatives, or anyone it may properly designate, to insert in this instrument the filing date and/or serial number of said application when ascertained;

AND ASSIGNOR HEREBY AGREES to transfer, upon request of ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, a like interest in and to any related inventions and formal applications based thereon;

AND ASSIGNOR AGREEING, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, but at no expense to ASSIGNOR, that ASSIGNOR will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that ASSIGNEE desires to obtain or assert for the invention, any related inventions, any formal application based thereon, and any resulting patents, including executing any and all papers desired by ASSIGNEE for the filing and granting of formal applications, the perfecting of title in ASSIGNEE, and in enforcing any rights in the invention, any related inventions, and any formal application or patent based thereon.

This instrument is executed by, an shall be binding upon, ASSIGNOR, his heirs, executors and administrators, for the uses and purposes above set forth and referred to and shall inure to the benefit of ASSIGNEE, its successors, assigns and legal representatives, or anyone it may properly designate.

If any provision of this assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this assignment shall remain in full force and effect.

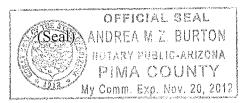
EXECUTED as of the date(s) written below by ASSIGNOR:

The W. Besti	Date: 7 Oct. 2010
Thomas W. Bastian	
On this 7th day of OCTOBER,	2010, before me a notary public in and for the

County of PIMA in the State of ARIZONA, appeared THOMAS W. BASTIAN, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he/she signed, seals and delivered the same instrument as a free and voluntary act for the use and purposes therein set forth.

My Commission Expires NOV. 202012

Notary Public



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RECORDED: 10/14/2010