502065932 09/18/2012

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 C Swihart III	09/14/2012

RECEIVING PARTY DATA

Name:	QinetiQ North America, Inc.
Street Address:	7918 Jones Branch Drive, Suite 350
City:	McLean
State/Country:	VIRGINIA
Postal Code:	22102

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13621936

CORRESPONDENCE DATA

Fax Number: 7818901150

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 781-890-5678

Email: jcecchini@iandiorio.com

Correspondent Name: landiorio Teska & Coleman, LLP

Address Line 1: 255 Bear Hill Road

Address Line 4: Waltham, MASSACHUSETTS 02451

NAME OF SUBMITTER: Kirk Teska

Total Attachments: 1

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PATENT REEL: 028977 FRAME: 0806 CH \$40 00 136219

ASSIGNMENT

For valuable consideration, I, Thomas C. Swihart III, residing at 2196 Ben Franklin Drive,
Pittsburgh, PA 15237 (hereinafter "the Assignor"), hereby assign to QinetiQ North America, Inc., a
Delaware corporation having its principal place of business at 7918 Jones Branch Drive, Suite 350,
McLean, VA 22102, 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 the
subject of an application for United States Patent filed on even date herewith entitled

POWERLESS BRAKE

this assignment including said United States patent and any and all foreign patents granted for said inventions or improvements; and I agree for myself and my 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.

In Witness Whereof, I hereto set my hand and seal a	tN PITTSBURGH, MY
this M 14 day of M SEPTEMBER, 2012.	(city, town)
	Thomas C. Swell # 14
	Thomas C. Swihart III

Commonwealth of Pennsylvania	}
County of INI duegnes y	}

Before me this My / An day of My DEP TENDER, 2012, personally appeared Thomas C. Swihart III proved to me through satisfactory evidence of identification, which were MYA ANDERS AND to be the person whose name is subscribed to the foregoing assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

[Notary's seal here]

Notary Public

My commission expires:

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal

Deborah A. Anker, Notary Public Sharpsburg Boro, Allegheny County My Commission Expires Oct. 23, 2012

Member, Pennsylvania Association of Notaries

FM-571J KT/mrs

> PATENT REEL: 028977 FRAME: 0807

RECORDED: 09/18/2012