503181400 02/16/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3228015

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
WILLIAM MARTIN SILVIS	01/05/2015	
JAMES PATRICK WILLIAMSON	01/05/2015	

RECEIVING PARTY DATA

Name:	AVL TEST SYSTEMS, INC.
Street Address:	47519 HALYARD DRIVE
City:	PLYMOUTH
State/Country:	MICHIGAN
Postal Code:	48170-2438

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14402623	

CORRESPONDENCE DATA

Fax Number: (248)641-0270

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.

Phone: (248) 641-1600 Email: cgielniak@hdp.com

Correspondent Name: HARNESS, DICKEY & PIERCE, PLC

P. O. BOX 828 Address Line 1:

Address Line 2: CHRISTOPHER M. BROCK

Address Line 4: BLOOMFIELD HILLS, MICHIGAN 48303

ATTORNEY DOCKET NUMBER:	7971-000028-US-NPB
NAME OF SUBMITTER:	CYNTHIA L. GIELNIAK
SIGNATURE:	/Cynthia L. Gielniak/
DATE SIGNED:	02/16/2015

Total Attachments: 2

source=7971-000028-US-NPB-Executed_Assignment#page1.tif source=7971-000028-US-NPB-Executed Assignment#page2.tif

PATENT REEL: 034968 FRAME: 0053 503181400

ASSIGNMENT

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

INTELLIGENT BAG FILLING FOR EXHAUST SAMPLING SYSTEM

for which Assi	ignor is a	about to make or has made United States or International applic	ation to	r patent
(a)		executed on even date preparatory to filing (each invent Assignment on the same day as he/she signs the Declaration	or sho	uld sign this
(b)		executed on,; or		•
(c)	\boxtimes	filed on May 28, 2013, and assigned Serial No or Application No. <u>PCT/US2013/042871;</u> and	PCT	Internationa

WHEREAS, AVL TEST SYSTEMS, INC., having a place of business at 47519 Halyard Drive, Plymouth, Michigan 48170-2438, hereinafter referred to as Assignee, is desirous of acquiring all right, title, and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights.

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, any derivation proceedings relating thereto, and as to Letters Patent any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and for litigation regarding, or for the purpose of defending the validity of or protecting title to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee and its successors in interest without further or other compensation than that above set forth.

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment. Assignor further covenants not to challenge, or assist or participate in any third party challenge to, the assigned inventions, or any patent application or patent thereon, whether by litigation, post grant review, inter partes review, covered business method review, reexamination, or otherwise.

ASSIGNMENT

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

U.S. Application No. 14/402,623; Filed November 20, 2014

William Martin SILVIS

Dated 7 2

ames Patrick WILLIAMSON

Dated

Witness

Witness

Witness

Witness

Page 2 of 2

19098326.1

RECORDED: 02/16/2015

PATENT REEL: 034968 FRAME: 0055