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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ			
		Name	Execution Date	
KRZYSZTOF JEDRZEJ	EWSKI		01/22/2019	
QUINN LATHROP			01/23/2019	
KACPER LODZIKOWS	KI		01/23/2019	
TOMASZ MATYSIAK			01/22/2019	
MATEUSZ OTMIANOW	/SKI		01/23/2019	
MALGORZATA SCHMIDT			01/23/2019	
RECEIVING PARTY DA	ATA			
Name:	PEAR	PEARSON EDUCATION, INC.		
Street Address:	5601 0	5601 GREEN VALLEY DRIVE		
0:4:4:	BLOOMINGTON			
City:	10000			
State/Country:		ESOTA		
-		ESOTA		
State/Country: Postal Code: PROPERTY NUMBERS	MINNE 55437	ESOTA		
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State/Country: Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE I Fax Number: <i>Correspondence will &</i> <i>using a fax number, if</i> Email: Correspondent Name: Address Line 1: Address Line 4:	MINNE 55437 S Total: 1 DATA De sent to provide	SOTA SOTA Number 16267281 <i>to the e-mail address first; if that is unsuce</i> <i>d; if that is unsuccessful, it will be sent via</i> cheryl.clark@quarles.com QUARLES & BRADY LLP 411 E. WISCONSIN AVENUE MILWAUKEE, WISCONSIN 53202		
State/Country: Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE I Fax Number: Correspondence will b using a fax number, if Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N	MINNE 55437 S Total: 1 DATA De sent to provide	SOTA Number 16267281 <i>Number</i> 16267281 <i>to the e-mail address first; if that is unsuce</i> <i>d; if that is unsuccessful, it will be sent via</i> cheryl.clark@quarles.com QUARLES & BRADY LLP 411 E. WISCONSIN AVENUE MILWAUKEE, WISCONSIN 53202 0432.00.0.US (.00173)		

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Title of Inventions: SYSTEMS AND METHODS FOR ITEM RESPONSE MODELLING OF DIGITAL ASSESSMENTS

Application No.

filed on

ASSIGNMENT

WHEREAS, I, Krzysztof Jędrzejewski, residing in Poznań, Poland, am the original inventor or an original joint inventor of the inventions disclosed in the above-identified applications for a United States Letters Patent;

WHEREAS, Pearson Education, Inc., a corporation of the State of Delaware, having a principal place of business at 221 River Street, Hoboken, NJ 07030, hereinafter referred to as "Pearson Education," is desirous of acquiring an interest in the invention and applications and in any United States Letters Patent and Registrations which may be granted on the same:

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the inventor, have assigned, and by these presents do assign to Pearson Education all right, title, and interest in and to the inventions and applications and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Pearson Education and Pearson Education's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Pearson Education's expense, (a) cooperate with Pearson Education in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Pearson Education lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Pearson Education, or Pearson Education's successors and assigns. I waive any obligation of Pearson Education to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts, and Pearson Education can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Pearson Education in writing of any foreign counterparts I would like the option to pursue or prosecute.

I hereby authorize and request Quarles & Brady LLP, One Renaissance Square, Two North Central Avenue, Phoenix, AZ 85004-2391, to insert herein above the application numbers and filing dates of said application when known.

DECLARATION

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- The above-identified application was made or authorized to be made by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application,
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than 5 years, or both,

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: Jan 22, 2019

Krzysztof Jędrzejewski

Title of Inventions: SYSTEMS AND METHODS FOR ITEM RESPONSE MODELLING OF DIGITAL ASSESSMENTS

Application No.

filed on

ASSIGNMENT

WHEREAS, I, Quinn Lathrop, residing in Denver <u>Colorado</u>, am the original inventor or an original joint inventor of the inventions disclosed in the above-identified applications for a United States Letters Patent;

WHEREAS, Pearson Education, Inc., a corporation of the State of Delaware, having a principal place of business at 221 River Street, Hoboken, NJ 07030, hereinafter referred to as "Pearson Education," is desirous of acquiring an interest in the invention and applications and in any United States Letters Patent and Registrations which may be granted on the same;

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the inventor, have assigned, and by these presents do assign to Pearson Education all right, title, and interest in and to the inventions and applications and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Pearson Education and Pearson Education's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

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Dated: Jan 23, 2019

Quinn Lathrop

Title of Inventions: SYSTEMS AND METHODS FOR ITEM RESPONSE MODELLING OF DIGITAL ASSESSMENTS

Application No.

ASSIGNMENT

filed on

WHEREAS, I, Kacper Lodzikowski, residing in Poznań, Poland, am the original inventor or an original joint inventor of the inventions disclosed in the above-identified applications for a United States Letters Patent;

WHEREAS, Pearson Education, Inc., a corporation of the State of Delaware, having a principal place of business at 221 River Street, Hoboken, NJ 07030, hereinafter referred to as "Pearson Education," is desirous of acquiring an interest in the invention and applications and in any United States Letters Patent and Registrations which may be granted on the same;

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the inventor, have assigned, and by these presents do assign to Pearson Education all right, title, and interest in and to the inventions and applications and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Pearson Education and Pearson Education's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

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Dated: Jan 23, 2019

Kater taleilastia Kacper Lodzikowski

Title of Inventions: SYSTEMS AND METHODS FOR ITEM RESPONSE MODELLING OF DIGITAL ASSESSMENTS

Application No.

filed on

ASSIGNMENT

WHEREAS, I, Tomasz Matysiak, residing in Rakoniewice, Poland, am the original inventor or an original joint inventor of the inventions disclosed in the above-identified applications for a United States Letters Patent;

WHEREAS, Pearson Education, Inc., a corporation of the State of Delaware, having a principal place of business at 221 River Street, Hoboken, NJ 07030, hereinafter referred to as "Pearson Education," is desirous of acquiring an interest in the invention and applications and in any United States Letters Patent and Registrations which may be granted on the same;

In consideration of One Dollar (\$1,00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the inventor, have assigned, and by these presents do assign to Pearson Education all right, title, and interest in and to the inventions and applications and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Pearson Education and Pearson Education's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

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Dated: Jan 22, 2019

Tomacz Materiale Tomasz Matysiak

Title of Inventions: SYSTEMS AND METHODS FOR ITEM RESPONSE MODELLING OF DIGITAL ASSESSMENTS

Application No.

ASSIGNMENT

filed on

WHEREAS, I, Mateusz Otmianowski, residing in Poznań, Poland, am the original inventor or an original joint inventor of the inventions disclosed in the above-identified applications for a United States Letters Patent;

WHEREAS, Pearson Education, Inc., a corporation of the State of Delaware, having a principal place of business at 221 River Street, Hoboken, NJ 07030, hereinafter referred to as "Pearson Education," is desirous of acquiring an interest in the invention and applications and in any United States Letters Patent and Registrations which may be granted on the same;

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 1001 by fine or imprisonment of not more than 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: Jan 23, 2019

Mateusz Otmianowski

Title of Inventions: SYSTEMS AND METHODS FOR ITEM RESPONSE MODELLING OF DIGITAL ASSESSMENTS

Application No.

filed on

ASSIGNMENT

WHEREAS, I, Malgorzata Schmidt, residing in Poznań, Poland, am the original inventor or an original joint inventor of the inventions disclosed in the above-identified applications for a United States Letters Patent;

WHEREAS, Pearson Education, Inc., a corporation of the State of Delaware, having a principal place of business at 221 River Street, Hoboken, NJ 07030, hereinafter referred to as "Pearson Education," is desirous of acquiring an interest in the invention and applications and in any United States Letters Patent and Registrations which may be granted on the same;

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IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated. Jan 23, 2019

Malgorzata Schmidt

PATENT REEL: 048483 FRAME: 0964

RECORDED: 03/01/2019