504469569 07/24/2017

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4516271

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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WALTER MAK	07/07/2017
MICHAEL TSZ HONG SUNG	07/18/2017
EDWARD CHAO	07/18/2017

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15657290

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ATTORNEY DOCKET NUMBER:	170406US02 (S23.157)
NAME OF SUBMITTER:	NICHOLAS M. STABLER
SIGNATURE:	/NMS/
DATE SIGNED:	07/24/2017

Total Attachments: 4

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PATENT REEL: 043073 FRAME: 0616 504469569

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PATENT REEL: 043073 FRAME: 0617

Docket No.: 170406US02 (S23.157)

ASSIGNMENT OF RIGHTS, TITLE AND INTEREST IN INVENTION

inis is an Assign	ment of the following rights, title and interest: (cneck all that apply)		
☑ United States of America rights, title and interest in the invention			
Foreign rights, title and interest in the invention			
☐ The following United States Patent Application			
United States Patent Application No.: 15/657,290			
which was filed on: July 24, 2017			
United States Provisional Patent Application Serial No.: 62/506,747 – filed 05/16/17			
☐ United States Patent No(s).:			
☐ International (PCT) Patent Application Serial No.:			
Other (specif	•		
ΓITLE OF THE INVEN	TION·		
	11011.		
PROGRESSIVE	HYBRID WEB APPLICATION		
	Inventors (assignors)		
Name	Address		
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Walter Mak	SAP Global IP Group, SAP SE, Dietmar-Hopp-Allee 16, D-69190 Walldorf, Germany		
Michael Tsz Hong Sung	SAP Global IP Group, SAP SE, Dietmar-Hopp-Allee 16, D-69190 Walldorf, Germany		
Edward Chao	SAP Global IP Group, SAP SE, Dietmar-Hopp-Allee 16, D-69190 Walldorf, Germany		

Docket No.: 170406US02 (S23.157)

Assignee

Name Address

SAP SE Dietmar-Hopp-Allee 16, D-69190 Walldorf, Germany

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further authorize and request that attorney, Nicholas M. Stabler, of Buckley, Maschoff & Talwalkar LLC, insert the filing date and application number of the above-referenced patent application when known;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Docket No.: 170406US02 (\$23.157)

Inventors' Signatures /	
Miremore Digiplance	
Nathan Wang:	Date: 1/2 1/2 2017
Witnessed by: 古奇子域	Date: <u>July 19 2017</u>
Walter Mak:	Date:
Witnessed by:	Date:
Michael Tsz Hong Sung: <u>Say Tegy Joseph</u>	Date: The land
Witnessed by:	Date: 504 11, 707
Edward Chao: ###	Date:
Witnessed by:	Date: 14 18 2017

Docket No.: 170406US02 (823,157)

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Witnessed by:	Date:
Walter Mak: Walter	Date: <u> </u>
Witnessed by:	Date: <u>기사,</u> 구 <u>, 2</u> 017
Michael Tsz Hong Sung:	Date:
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Edward Chao:	Date:

Witnessed by: _