503586488 11/25/2015 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3633117

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
	΄ DATA		
		Name	Execution Date
OOW GLOBAL TECH	HNOLOGIES L	LC	09/30/2015
	DATA		
Name:	BLUE CUBE IP LLC		
Street Address:	2030 DOW CENTER		
City:	MIDLAN	MIDLAND	
State/Country:	MICHIGA	MICHIGAN	
Postal Code:	48674		
PROPERTY NUMBE		Number	
PCT Number:	-	S2015046849	
PCT Number:		S2013032765	
PCT Number:		S2013043032	
PCT Number:		S2013034784	
PCT Number:		S2013041561	
PCT Number:		S2014062615	
PCT Number:	U	S2014047930	
PCT Number:	U	S2015046748	
PCT Number:	U	S2014070926	
PCT Number:	U	S2014068311	
PCT Number:	U	S2014069051	
PCT Number:	U	S2014052832	
PCT Number:	U	S2014052835	
PCT Number:	U	S2015017693	
PCT Number:	U	S2014062628	
CT Number:	U	S2014070934	
PCT Number:	U	S2015046741	
PCT Number:	U	S2015046752	
PCT Number:	U	S2014070919	

Property Type	Number				
PCT Number:	US2014070947				
PCT Number:	US2014069001				
PCT Number:	US2015036148				
PCT Number:	US2015037640				
CORRESPONDENCE DATA					
Fax Number:	(618)655-9640				
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent					
using a fax number, if provide		/ill be sent via US Mail.			
Phone:	314-889-8000				
Email:	IPdocket@polsinelli.com				
Correspondent Name:	POLSINELLI PC				
Address Line 1:	105 WEST VANDALIA STREE	ET			
Address Line 2:	SUITE 400				
Address Line 4:	EDWARDSVILLE, ILLINOIS 6	2025			
ATTORNEY DOCKET NUMBER	074785-501349				
NAME OF SUBMITTER:	REBECCA L. ENDSLE	Y, PARALEGAL			
SIGNATURE:	/Rebecca L. Endsley/				
DATE SIGNED:	11/25/2015				
Total Attachments: 4					
source=WO Assignment - Dow Global to Blue Cube IP LLC#page1.tif					
source=WO Assignment - Dow Global to Blue Cube IP LLC#page2.tif					
source=WO Assignment - Dow Global to Blue Cube IP LLC#page3.tif					
source=WO Assignment - Dow Global to Blue Cube IP LLC#page4.tif					

This Assignment 990 is in the ENGLISH language and has the same meaning in other languages with the same 990 number.

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ASSIGNMENT

(TRANSFER)

We, ASSIGNOR: DOW GLOBAL TECHNOLOGIES LLC of: 2040 Dow Center Midland, Michigan 48674 UNITED STATES OF AMERICA

a limited liability company organized and existing under the laws of the State of Delaware, United States of America do hereby claim and declare that we are the recorded owner of the following Patent Application(s) or Letters Patent(s) and other rights and powers obtainable or exercisable in respect thereof as numbered in PCT Application/Patent No(s).:

SEE ATTACHED APPENDIX A

We do hereby, for good and valuable consideration received, sell, assign and transfer unto:

ASSIGNEE: BLUE CUBE IP LLC of: 2030 Dow Center Midland, Michigan 48674 UNITED STATES OF AMERICA

a limited liability company organized and existing under the laws of Delaware our entire right, title and interest in and to the said Patent Application(s) or Letters Patent(s), and consent to the recordal of this Assignment.

ASSIGNOR

Subscribed and Sworn by us:

At Midland, Michigan USA

this 30 day of September 2015

DOW GLOBAL TECHNOLOGIES LLC

Allann By Susan M. Zerull

Authorized Representative

Accepted by us:

At Midland, Michigan USA

this <u>30</u> day of <u>September</u> 2015

ASSIGNEE

BLUE CUBE IP LLC By Darryl P. Frickev Vice President

CORP. SEAL This Notarial Certificate 550 is in the ENGLISH language and has the same meaning in other languages with the same 550 number.

● 550 ● 550

FORM 550

NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AMERICA)	
STATE OF Michigan) SS	
County/Parish of Midland)	
30 Callonallan and	

On this <u>30</u> day of <u>Sophember</u>, 20<u>15</u>, personally appeared before me, Susan M. Zerull, Authorized Representative

known or identified to me to be the individual described in and who executed the foregoing document

Transfer Assignment for and on behalf of Dow Global Technologies LLC

and acknowledged the same as a free act and deed for uses and purposes therein expressed by authority of the said limited liability company incorporated under the laws of **the State of Delaware**, **United States of America**.

I further certify that said authority, dated June 1, 2014, is based on a **Delegation of Signature Authority**, which I have seen, appointing the said individual with full power to sign the foregoing document on behalf of the said limited liability company and that the purposes for which said document is granted are within the scope of the objects or activities of said limited liability company.

SEAL Ken

Notary Public athy Sue Wertz NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES APRIL 07, 2018

NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AMERICA) STATE OF Michigan) SS County/Parish of Midland)

On this <u>30</u> day of <u>Soptember</u>, 2015, personally appeared before me,

Darryl P. Frickey, Vice President

known or identified to me to be the individual described in and who executed the foregoing document

Transfer Assignment for and on behalf of Blue Cube IP LLC

and acknowledged the same as a free act and deed for uses and purposes therein expressed by authority of the said limited liability company incorporated under the laws of **the State of Delaware**, **United States of America**.

I further certify that said authority, dated, is based on **an Authorization Policy dated May 1, 2015**, which I have seen, appointing the said individual with full power to sign the foregoing document on behalf of the said limited liability company and that the purposes for which said document is granted are within the scope of the objects or activities of said limited liability company.

Notary Public

SEAL

Kathy Sue Wertz NOTARY PUBLIC: MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES APRIL 07, 2018

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Case reference	Filing Date	Filing Number
69009-WO-PCT	29 Aug 2014	PCT/CN14/085576
69009-WO-PCT[2]	26 Aug 2015	PCT/US15/046849
70781-WO-PCT	04 Jul 2011	PCT/CN11/076822
71679-WO-PCT	18 Mar 2013	PCT/US13/032765
71711-WO-PCT	29 May 2013	PCT/US13/043032
72346-WO-PCT	01 Apr 2013	PCT/US13/034784
72628-WO-PCT	17 May 2013	PCT/US13/041561
73108-WO-PCT	31 Oct 2013	PCT/CN13/086378
73108-WO-PCT[2]	28 Oct 2014	PCT/US14/062615
73119-WO-PCT	29 Aug 2013	PCT/CN13/082528
73122-WO-PCT	24 Jul 2013	PCT/CN13/080024
73122-WO-PCT[2]	24 Jul 2014	PCT/US14/047930
73142-WO-PCT	29 Aug 2014	PCT/CN14/085579
73142-WO-PCT[2]	25 Aug 2015	PCT/US15/046748
73613-WO-PCT	19 Dec 2013	PCT/CN13/090010
73613-WO-PCT[2]	17 Dec 2014	PCT/US14/070926
73655-WO-PCT	26 Jul 2013	PCT/CN13/080159
73662-WO-PCT	26 Sep 2013	PCT/CN13/084305
73668-WO-PCT	03 Dec 2014	PCT/US14/068311
73968-WO-PCT	29 Aug 2013	PCT/CN13/082524
74330-WO-PCT	08 Dec 2014	PCT/US14/069051
74332-WO-PCT	27 Aug 2014	PCT/US14/052832
74333-WO-PCT	27 Aug 2014	PCT/US14/052835
74337-WO-PCT	26 Feb 2015	PCT/US15/017693
74747-WO-PCT	23 Dec 2013	PCT/CN13/090195
74754-WO-PCT	31 Oct 2013	PCT/CN13/086374
74754-WO-PCT[2]	28 Oct 2014	PCT/US14/062628
74769-WO-PCT	09 Dec 2013	PCT/CN13/088873

APPENDIX A Page 2

Case reference	Filing Date	Filing Number
75150-WO-PCT	17 Dec 2014	PCT/US14/070934
75334-WO-PCT	29 Aug 2014	PCT/CN14/085580
75334-WO-PCT[2]	25 Aug 2015	PCT/US15/046741
75339-WO-PCT	29 Aug 2014	PCT/CN14/085581
75339-WO-PCT[2]	25 Aug 2015	PCT/US15/046752
75382-WO-PCT	17 Dec 2014	PCT/US14/070919
75383-WO-PCT	17 Dec 2014	PCT/US14/070913
75436-WO-PCT	17 Dec 2014	PCT/US14/070947
75614-WO-PCT	08 Dec 2014	PCT/US14/069001
75765-WO-PCT	30 Sep 2014	PCT/CN14/087856
75807-WO-PCT	17 Jun 2015	PCT/US15/036148
75854-WO-PCT	10 Apr 2014	PCT/CN14/075064
75953-WO-PCT	19 May 2015	PCT/CN15/079257
76155-WO-PCT	16 Oct 2014	PCT/CN14/088732
76228-WO-PCT	25 Jun 2015	PCT/US15/037640
76715-WO-PCT	11 Sep 2014	PCT/CN14/086314
76997-WO-PCT	04 Dec 2014	PCT/CN14/093018
76997-WO-PCT[2]	05 Dec 2014	PCT/CN14/093093

Attach Notarial Certificate (Corporation)

RECORDED: 11/25/2015