504781874 02/16/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4828605

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CHANGE OF NAME

CONVEYING PARTY DATA

Name	Execution Date
DOUBLE C TECHNOLOGIES, LLC	07/25/2005

RECEIVING PARTY DATA

Name:	TVWORKS, LLC	
Street Address:	1701 JOHN F. KENNEDY BLVD.	
City:	PHILADELPHIA	
State/Country:	PENNSYLVANIA	
Postal Code:	19103	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15639386

CORRESPONDENCE DATA

Fax Number: (202)824-3001

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: (202) 824-3000

Email: bwptopat@bannerwitcoff.com, lbahm@bannerwitcoff.com

Correspondent Name: BANNER & WITCOFF, LTD.

Address Line 1: 1100 13TH ST. NW

Address Line 2: STE 1200

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	007412.03773
NAME OF SUBMITTER:	EVAN M. CLARK
SIGNATURE:	/Evan M. Clark/
DATE SIGNED:	02/16/2018

Total Attachments: 2

source=Assignment_Name Change_Double C to TVWorks#page1.tif source=Assignment Name Change Double C to TVWorks#page2.tif

PATENT 504781874 REEL: 045356 FRAME: 0575



The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "DOUBLE C TECHNOLOGIES, LLC", CHANGING ITS NAME FROM "DOUBLE C TECHNOLOGIES, LLC" TO "TVWORKS, LLC", FILED IN THIS OFFICE ON THE TWENTY-FIFTH DAY OF JULY, A.D. 2005, AT 5:10 O'CLOCK P.M.

3908265 8100 050612342

Harriet Smith Windsor, Secretary of State AUTHENTICATION: 4046285

DATE: 07-26-05

PATENT REEL: 045356 FRAME: 0576

State of Delaware Secretary of State Division of Corporations Delivered 05:20 PM 07/25/2005 FILED 05:10 PM 07/25/2005 SRV 050612342 - 3908265 FILE

CERTIFICATE OF AMENDMENT

TO

CERTIFICATE OF FORMATION

OF

DOUBLE C TECHNOLOGIES, LLC

Double C Technologies, LLC, a limited liability company organized and existing under and by virtue of the provisions of Section 18-201 of the Delaware Limited Liability Company Act, hereby certifies as follows:

- 1. The name of the limited liability company is Double C Technologies, LLC.
- The Certificate of Formation of the limited liability company is hereby amended by amending and restating Article FIRST thereof in its entirety as follows:

 \underline{FIRST} : The name of the limited liability company formed hereby is TVWorks, LLC.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Amendment to Certificate of Formation of Double C Technologies, LLC this 25 day of July, 2005.

DOUBLE C TECHNOLOGIES, LLC

Arthur R. Block, Senior Vice President

PATENT

REEL: 045356 FRAME: 0577

RECORDED: 02/16/2018