

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4666983

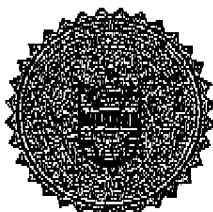
<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	CHANGE OF NAME
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DOUBLE C TECHNOLOGIES, LLC	07/25/2005
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TVWORKS, LLC
<b>Street Address:</b>	1500 MARKET STREET
<b>Internal Address:</b>	C/O COMCAST CORPORATION
<b>City:</b>	PHILADELPHIA
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	19102
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14341477
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Email:</b>	awinslow@bannerwitcoff.com, ptopat@bannerwitcoff.com
<b>Correspondent Name:</b>	BANNER & WITCOFF
<b>Address Line 1:</b>	1100 13TH STREET NW
<b>Address Line 4:</b>	WASHINGTON, D.C. 20005
<b>ATTORNEY DOCKET NUMBER:</b>	007412.02779
<b>NAME OF SUBMITTER:</b>	FREDERIC M. MEEKER
<b>SIGNATURE:</b>	/Frederic M. Meeker/
<b>DATE SIGNED:</b>	10/31/2017
<b>Total Attachments: 2</b>	
source=Assignment #3 - Double C to TVWorks#page1.tif	
source=Assignment #3 - Double C to TVWorks#page2.tif	

# Delaware

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*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*

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 4046285

DATE: 07-26-05

PATENT  
REEL: 044638 FRAME: 0904

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
2. The Certificate of Formation of the limited liability company is hereby amended by amending and restating Article FIRST thereof in its entirety as follows:

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

By:   
Arthur R. Block, Senior Vice President