

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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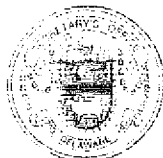
EPAS ID: PAT3991551

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	MERGER	
EFFECTIVE DATE:	10/17/2001	
CONVEYING PARTY DATA		
	Name	Execution Date
	COGENT TECHNOLOGIES, INC.	10/18/2001
RECEIVING PARTY DATA		
Name:	HARMONIC, INC.	
Street Address:	549 BALTIC WAY	
City:	SUNNYVALE	
State/Country:	CALIFORNIA	
Postal Code:	94089	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Patent Number:	6029045
CORRESPONDENCE DATA		
Fax Number:		
<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>		
Phone:	408-402-5189	
Email:	chris@brokawpatentlaw.com, amaloney@brokawpatentlaw.com	
Correspondent Name:	BROKAW PATENT LAW PC	
Address Line 1:	101 CHURCH STREET	
Address Line 2:	SUITE 50	
Address Line 4:	LOS GATOS, CALIFORNIA 95030	
ATTORNEY DOCKET NUMBER:	HRMC.P920	
NAME OF SUBMITTER:	CHRISTOPHER J. BROKAW	
SIGNATURE:	/ChristopherJBrokaw#45620/	
DATE SIGNED:	08/03/2016	
Total Attachments: 3		
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State of Delaware
Office of the Secretary of State PAGE 1

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 CORRECTION OF "HARMONIC INC.", FILED IN THIS OFFICE ON THE TWENTY-SECOND DAY OF OCTOBER, A.D. 2001, AT 12:30 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

2493974 8100

AUTHENTICATION: 1408421

010525957

DATE: 10-24-01
PATENT

REEL: 039334 FRAME: 0952

CERTIFICATE OF CORRECTION FILED TO CORRECT
A CERTAIN ERROR IN THE CERTIFICATE OF
OF
Ownership and Merger Merging Cogent Technologies, Inc into Harmonic Inc.

FILED IN THE OFFICE OF THE SECRETARY OF STATE
OF DELAWARE ON October 17, 2001.

Harmonic Inc., a corporation organized and existing under and by virtue of the
General Corporation Law of the State of Delaware,

DOES HEREBY CERTIFY:

1. The name of the corporation is Harmonic Inc.
2. That a Certificate of Ownership and Merger Merging Cogent Technologies, Inc into Harmonic Inc.

was filed by the Secretary of State of Delaware on October 17, 2001 and that
said Certificate requires correction as permitted by Section 103 of the General
Corporation Law of the State of Delaware.

3. The inaccuracy or defect of said Certificate to be corrected is as
follows:

Article Four; Board of Directors meeting dated May 3, 2001.

4. Article Four of the Certificate is corrected to read as follows: Fourth:
That this Corporation, by the following resolutions of its Board of Directors, duly
adopted at a meeting on 29th day of March, 2001, determined to and did merge
into itself Cogent Technologies, Inc.

or

4. Article _____ of the Certificate is hereby
eliminated.

or

4. The execution, sealing or acknowledgment of the Certificate is
corrected as follows:

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 12:30 PM 10/22/2001
010525957 - 2493974

IN WITNESS WHEREOF, Harmonic Inc. has caused this Certificate to be signed by Robin N. Dickson, its Chief Executive officer, this 18th day of October, 2001.

/s/ Robin N. Dickson
By: Robin N. Dickson, Chief Financial Officer

DED13 - CT System Online