PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DILITHIUM NETWORKS INC.	10/04/2010

RECEIVING PARTY DATA

Name:	DILITHIUM (ASSIGNMENT FOR THE BENEFIT OF CREDITORS), LLC
Street Address:	1100 La Avenida
City:	Mountain View
State/Country:	CALIFORNIA
Postal Code:	94043

PROPERTY NUMBERS Total: 24

Property Type	Number
Patent Number:	7706319
Patent Number:	7672377
Patent Number:	7805292
Application Number:	11862117
Application Number:	12029146
Application Number:	12352544
Application Number:	12400721
Application Number:	12554473
Application Number:	12661468
Application Number:	11557725
Patent Number:	7599834
Application Number:	10099901
Patent Number:	6829579
Patent Number:	7260524
Patent Number:	7266611

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Patent Number:	7469209
Patent Number:	7433815
Patent Number:	7254533
Patent Number:	7133521
Patent Number:	7363218
Patent Number:	7263481
Application Number:	10762829
Application Number:	11496058
Application Number:	61350883

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	2017-0
NAME OF SUBMITTER:	Ludomir A. Budzyn

Total Attachments: 8

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DEED OF ASSIGNMENT OF PATENTS

This Deed of Assignment ("Assignment") is dated this 4th day of October, 2010

PARTIES

(1) **DILITHIUM NETWORKS INC.**, a California corporation, with principal offices located at 5401 Old Redwood Highway, Suite 100, Petaluma, CA, 94954 USA (the **"Assignor"**); and

(2) **DILITHIUM (ASSIGNMENT FOR THE BENEFIT OF CREDITORS), LLC**, a corporation organized under the laws of the United States of America, with principal offices located at 1100 La Avenida, Mountain View, CA 94043 (the "**Assignee**").

For the purposes of this Assignment, the Assignor and Assignee shall be individually referred to as "**Party**", and collectively as "**Parties**".

RECITALS

(A) The Assignor is the grantee in respect of patents and is the applicant in respect of patent applications, details whereof are provided in **Schedule 1** ("the **Patents**") in the territory of United States of America (the **"Territory"**), and is the proprietor and possessor of rights, title and interest within the Territory to the inventions ("**Inventions**") disclosed and claimed in the Patents.

(B) It has been agreed that the Assignee shall acquire from the Assignors, the entire right, title and interest *inter alia* to the Patents and Inventions.

TERMS

1. In consideration of the sum of USD 1 (US Dollar One only) now paid by the Assignee to the Assignor and such other good and valuable consideration, the sufficiency and receipt whereof the Assignor acknowledges, the Assignor with full title guarantee hereby assigns irrevocably and perpetually to the Assignee:

   1.1 its entire right, title and interest in the Inventions;

   1.2 its entire right, title and interest in the Patents and the full and exclusive benefit thereof and all rights privileges and advantages appertaining thereto together with the right in respect of the Patents to apply to the relevant Patent Office in the Territory to be registered as the proprietor of such Patents;

1.3 the right to recover, and take all such proceedings as may be necessary for the recovery of damages or other forms of relief in respect of any and all infringements of the Patents, whether arising before or after the date of this Assignment.

2. For a period of 6 months following the date of this Assignment, the Assignor undertakes to execute any further documents and do any such thing as the Assignee may reasonably require to enable the Assignee to be recorded as the proprietor of the Patents or Inventions and to secure the benefits of the rights hereby assigned.

IN WITNESS of which this Assignment has been executed as a Deed and delivered the date and year first above written.

ASSIGNOR
Dilithium Networks, Inc.

(signature)
(full name) MARWAN JABRI
(designation) CEO

ASSIGNEE
Dilithium (Assignment for the Benefit of Creditors), LLC

(Signature)
(full name)
(designation)

WITNESSES

1. _____
Name: Timothy C. Bush

2. _____
Name: Ron Longo

1.3 the right to recover, and take all such proceedings as may be necessary for the recovery of damages or other forms of relief in respect of any and all infringements of the Patents, whether arising before or after the date of this Assignment.

2. For a period of 6 months following the date of this Assignment, the Assignor undertakes to execute any further documents and do any such thing as the Assignee may reasonably require to enable the Assignee to be recorded as the proprietor of the Patents or Inventions and to secure the benefits of the rights hereby assigned.

IN WITNESS of which this Assignment has been executed as a Deed and delivered the date and year first above written.

ASSIGNOR
Dilithium Networks, Inc.

_____
(signature)
(full name)
(designation)

ASSIGNEE
Dilithium (Assignment for the Benefit of Creditors), LLC

_____
(Signature)
(full name) MICHAEL A. MAIDY
(designation) MANAGER

WITNESSES

1. _____
Name:

2. _____
Name:

Schedule 1

Sl. No.	Country	Patent / Application Number	Title
1	United States of America	12/352544	Method and Apparatus for Transcoding Between Hybrid Video Codec and Bitstreams
2	United States of America	11/303858	Fast Session Setup Extensions to H.324
3	United States of America	11/557725	Accelerated Session Establishment in a Multimedia Gateway
4	United States of America	11/564794	Method and Apparatus of Voice Mixing for Conferencing Amongst Diverse Networks
5	United States of America	11/622951	Interactive Multimedia Exchange Architecture and Services
6	United States of America	11/622999	Multimedia Content Exchange Architecture and Services
7	United States of America	11/622965	Multimedia Streaming and Gaming Architecture and Services
8	United States of America	11/690730	Method and Apparatus for Providing Interactive Media During Communication in Channel-Based Media Telecommunication Protocols
9	United States of America	11/690733	Method and Apparatus for Billing for Media During Communications in Channel-Based Media Telecommunication Protocols
10	United States of America	11/738806	Method and Apparatus for Video Mixing
11	United States of America	11/738816	Method and System for Video Encoding and Transcoding

Sl. No.	Country	Patent / Application Number	Title
12	United States of America	11/738822	Method and Apparatus for Audio Transcoding
13	United States of America	11/862117	Method and Apparatus for Compressed Video Bitstream Conversion with Reduced-Algorithmic-Delay
14	United States of America	12/029146	Method and Apparatus for a Multimedia Value Added Service Delivery System
15	United States of America	12/400721	Method and Apparatus for Video Services
16	United States of America	12/554473	Method and Apparatus for Transmitting Video
17	United States of America	12/029119	Method and Apparatus for the Adaptation of Multimedia Content in Telecommunications Networks
18	United States of America	12/799589	Fast Session Setup Extensions to H.324
19	United States of America	61/160576	Method and Apparatus for Media Optimization for Telecommunications Networks
20	United States of America	12/661468	Method and Apparatus for Delivery of Adapted Media
21	United States of America	61/266595	Method and Apparatus for Delivery of Adapted Media
22	United States of America	10/099901	Method and Apparatus for Transcoding Video and Speech Signals
23	United States of America	10/339790	Transcoding Method and System Between CELP-Based Speech Codes

Sl. No.	Country	Patent / Application Number	Title
24	United States of America	10/350349	Method for Adaptive Codebook Pitch-Lag Computation in Audio Transcoders
25	United States of America	10/388375	Method and System for Improved Transcoding of Information Through a Telecommunicaitons Network
26	United States of America	10/620329	Method and Apparatus for Transcoding BetweenHybrid Video CODEC Bitstreams
27	United States of America	10/688857	Method and Apparatus for a Thin CELP Voice CODEC
28	United States of America	10/693620	Method and Apparatus for Fast CELP Parameter Mapping
29	United States of America	10/693253	Method and Apparatus for DTMF Detection and Voice Mixing In the CELP Parameter Domain
30	United States of America	10/754468	Method and Apparatus for Improved Quality Voice Transcoding
31	United States of America	10/762829	Method and Apparatus for Handling Video Communications Errors
32	United States of America	10/642422	Method and Apparatus for Frame Classification and Rate Determination In Voice Transcoders for Telecommunications
33	United States of America	10/660468	Method and Apparatus for Voice Transcoding Between Variable Rate Coders
34	United States of America	10/843844	Method and Apparatus for Voice Trans-Rating In Multi-Rate Voice Coders for Telecommunications
35	United States of America	11/496058	Method and Apparatus for Providing Interactive Media During Communication In Channel-Based Media Telecommunication Protocols

Sl. No.	Country	Patent / Application Number	Title
36	United States of America	12/455491	Method and System for Transcoding Video and Speech Signals
37	United States of America	10/928416	Transcoding Method and System Between CELP-Based Speech Codes with Externally Provided Status
38	United States of America	11/711467	Transcoding Method and System Between CELP-Based Speech Codes with Externally Provided Status
39	United States of America	60/364403	Method for Adaptive Codebook Pitch-Lag Computation in Audio Transcoders
40	United States of America	11/881742	Method for Adaptive Codebook Pitch-Lag Computation in Audio Transcoders
41	United States of America	60/364402	Method & System for Improved Transcoding of Information Through a Telecommunicaitons Network
42	United States of America	11/825309	Method and System for Improved Transcoding of Information Through a Telecommunication Network
43	United States of America	60/396891	Fast & Efficient H.263 to MPEG-4 Video Transcoding
44	United States of America	60/396689	Fast & Efficient Algorithms for MPEG-4 Video to H.263 Transcoding
45	United States of America	60/417831	Efficient Method & Apparatus for Video Transcoding
46	United States of America	60/419776	Universal Thin Celp Voice Codec
47	United States of America	11/890263	Method and Apparatus for a Thin Audio CODEC

Sl. No.	Country	Patent / Application Number	Title
48	United States of America	60/421449	Fast Searching Method for Long-Term Prediction in Voice Transcoders
49	United States of America	60/421342	Method for In-Band DTMF Detection & Generation In Voice Transcoder
50	United States of America	11/524345	Method and Apparatus for DTMF Detection and Voice Mixing In CELP Parameter Domain
51	United States of America	60/421270	Method for Smart LSP Interpolation in Voice Transcoding
52	United States of America	60/433056	Gateway Based Call Fallback
53	United States of America	11/890283	Method for High Quality Audio Transcoding
54	United States of America	12/332593	Method and Apparatus for Handling Video Communications Errors
55	United States of America	61/350883	Method and Apparatus for Adapting Media