

## **Technical Report**

Analysis and facts about the infringement of 98.220.43.119 in June 6, 2012

Lipscomb, Eisenberg & Baker, P.L.

## Facs

Client: Malibu Media

Attorney: Lipscomb, Eisenberg & Baker, P.L.

Title: DIANA INTRODUCING DIANA

FileHash : 77A45D676CEF28F3EA2E9ACB4C602CAD6BBAA69

IP Address: 98.220.43.119

ISP/ Netblock Owner: Comcast Cable

Geographic Location: Franklin, US

## Infringement Details

Our system has detected unauthorized copying and/or distribution of the work above-mentioned by analysing network traffic that proves the infringement flawlessly.

The infringer used the BitTorrent technology (via client software  $\mu$ Torrent 3.1.3) to copy and/or distribute the file(s) listed below.

Session Start	Transfer Start	Transfer End	Session End	Filename
2012-06-03 21:27:04	2012-06-03 21:27:38	2012-06-03 21:27:51	2012-06-03 21:32:40	X-Art - Introducing Diana [1080p].mov
2012-06-03 21:27:04	2012-06-03 21:27:38	2012-06-03 21:27:51	2012-06-03 21:32:40	X-Art - Introducing Diana [1080p].mov
2012-06-03 21:27:04	2012-06-03 21:27:38	2012-06-03 21:27:51	2012-06-03 21:32:40	X-Art - Introducing Diana [1080p].mov
2012-06-03 22:17:39	2012-06-03 22:18:13	2012-06-03 22:18:24	2012-06-03 22:23:24	X-Art - Introducing Diana [1080p].mov
2012-06-03 22:17:39	2012-06-03 22:18:13	2012-06-03 22:18:24	2012-06-03 22:23:24	X-Art - Introducing Diana [1080p].mov
2012-06-03 22:17:39	2012-06-03 22:18:13	2012-06-03 22:18:24	2012-06-03 22:23:24	X-Art - Introducing Diana [1080p].mov
2012-06-03 23:44:43	2012-06-03 23:45:22	2012-06-03 23:46:11	2012-06-03 23:51:12	X-Art - Introducing Diana [1080p].mov
2012-06-03 23:44:43	2012-06-03 23:45:22	2012-06-03 23:46:11	2012-06-03 23:51:12	X-Art - Introducing Diana [1080p].mov
2012-06-03 23:44:43	2012-06-03 23:45:22	2012-06-03 23:46:11	2012-06-03 23:51:12	X-Art - Introducing Diana [1080p].mov
2012-06-03 23:44:59	2012-06-03 23:45:39	2012-06-03 23:46:30	2012-06-03 23:51:16	X-Art - Introducing Diana [1080p].mov
2012-06-03 23:44:59	2012-06-03 23:45:39	2012-06-03 23:46:30	2012-06-03 23:51:16	X-Art - Introducing Diana [1080p].mov
2012-06-03 23:44:59	2012-06-03 23:45:39	2012-06-03 23:46:30	2012-06-03 23:51:16	X-Art - Introducing Diana [1080p].mov
2012-06-06 15:41:39	2012-06-06 15:42:13	2012-06-06 15:42:25	2012-06-06 15:47:13	X-Art - Introducing Diana [1080p].mov
2012-06-06 15:41:39	2012-06-06 15:42:13	2012-06-06 15:42:25	2012-06-06 15:47:13	X-Art - Introducing Diana [1080p].mov
2012-06-06 15:41:39	2012-06-06 15:42:13	2012-06-06 15:42:25	2012-06-06 15:47:13	X-Art - Introducing Diana [1080p].mov
2012-06-06 16:19:29	2012-06-06 16:20:03	2012-06-06 16:20:15	2012-06-06 16:25:13	X-Art - Introducing Diana [1080p].mov
2012-06-06 16:19:29	2012-06-06 16:20:03	2012-06-06 16:20:15	2012-06-06 16:25:13	X-Art - Introducing Diana [1080p].mov
2012-06-06 16:19:29	2012-06-06 16:20:03	2012-06-06 16:20:15	2012-06-06 16:25:13	X-Art - Introducing Diana [1080p].mov
2012-06-06 16:19:29	2012-06-06 16:20:03	2012-06-06 16:20:15	2012-06-06 16:25:13	X-Art - Introducing Diana [1080p].mov
2012-06-06 16:54:47	2012-06-06 16:55:21	2012-06-06 16:55:32	2012-06-06 17:00:32	X-Art - Introducing Diana [1080p].mov
2012-06-06 16:54:47	2012-06-06 16:55:21	2012-06-06 16:55:32	2012-06-06 17:00:32	X-Art - Introducing Diana [1080p].mov
2012-06-06 16:54:47	2012-06-06 16:55:21	2012-06-06 16:55:32	2012-06-06 17:00:32	X-Art - Introducing Diana [1080p].mov
2012-06-07 08:15:34	2012-06-07 08:16:08	2012-06-07 08:16:20	2012-06-07 08:21:12	X-Art - Introducing Diana [1080p].mov
2012-06-07 08:15:34	2012-06-07 08:16:08	2012-06-07 08:16:20	2012-06-07 08:21:12	X-Art - Introducing Diana [1080p].mov

<b>Session Start</b>	<b>Transfer Start</b>	<b>Transfer End</b>	<b>Session End</b>	<b>Filename</b>
2012-06-07 08:15:34	2012-06-07 08:16:08	2012-06-07 08:16:20	2012-06-07 08:21:12	X-Art - Introducing Diana [1080p].mov
2012-06-07 08:19:14	2012-06-07 08:19:48	2012-06-07 08:20:00	2012-06-07 08:25:00	X-Art - Introducing Diana [1080p].mov
2012-06-07 08:19:14	2012-06-07 08:19:48	2012-06-07 08:20:00	2012-06-07 08:25:00	X-Art - Introducing Diana [1080p].mov
2012-06-07 08:19:14	2012-06-07 08:19:48	2012-06-07 08:20:00	2012-06-07 08:25:00	X-Art - Introducing Diana [1080p].mov
2012-06-07 08:59:52	2012-06-07 09:00:26	2012-06-07 09:00:38	2012-06-07 09:05:38	X-Art - Introducing Diana [1080p].mov
2012-06-07 08:59:52	2012-06-07 09:00:26	2012-06-07 09:00:38	2012-06-07 09:05:38	X-Art - Introducing Diana [1080p].mov
2012-06-07 08:59:52	2012-06-07 09:00:26	2012-06-07 09:00:38	2012-06-07 09:05:38	X-Art - Introducing Diana [1080p].mov
2012-06-07 09:10:04	2012-06-07 09:10:38	2012-06-07 09:10:49	2012-06-07 09:15:49	X-Art - Introducing Diana [1080p].mov
2012-06-07 09:10:04	2012-06-07 09:10:38	2012-06-07 09:10:49	2012-06-07 09:15:49	X-Art - Introducing Diana [1080p].mov
2012-06-07 09:10:04	2012-06-07 09:10:38	2012-06-07 09:10:49	2012-06-07 09:15:49	X-Art - Introducing Diana [1080p].mov
2012-06-19 21:17:45	2012-06-19 21:18:20	2012-06-19 21:18:31	2012-06-19 21:23:31	X-Art - Introducing Diana [1080p].mov
2012-06-19 21:17:45	2012-06-19 21:18:20	2012-06-19 21:18:31	2012-06-19 21:23:31	X-Art - Introducing Diana [1080p].mov
2012-06-19 21:17:45	2012-06-19 21:18:20	2012-06-19 21:18:31	2012-06-19 21:23:31	X-Art - Introducing Diana [1080p].mov
2012-07-28 08:35:30	2012-07-28 08:36:04	2012-07-28 08:36:16	2012-07-28 08:41:06	X-Art - Introducing Diana [1080p].mov
2012-07-28 08:35:30	2012-07-28 08:36:04	2012-07-28 08:36:16	2012-07-28 08:41:06	X-Art - Introducing Diana [1080p].mov
2012-07-28 08:35:30	2012-07-28 08:36:04	2012-07-28 08:36:16	2012-07-28 08:41:06	X-Art - Introducing Diana [1080p].mov
2012-07-28 08:49:29	2012-07-28 08:50:03	2012-07-28 08:50:15	2012-07-28 08:55:06	X-Art - Introducing Diana [1080p].mov
2012-07-28 08:49:29	2012-07-28 08:50:03	2012-07-28 08:50:15	2012-07-28 08:55:06	X-Art - Introducing Diana [1080p].mov
2012-07-28 08:49:29	2012-07-28 08:50:03	2012-07-28 08:50:15	2012-07-28 08:55:06	X-Art - Introducing Diana [1080p].mov
2012-07-28 09:29:45	2012-07-28 09:30:24	2012-07-28 09:30:35	2012-07-28 09:35:35	X-Art - Introducing Diana [1080p].mov
2012-07-28 09:29:45	2012-07-28 09:30:24	2012-07-28 09:30:35	2012-07-28 09:35:35	X-Art - Introducing Diana [1080p].mov
2012-07-28 09:29:45	2012-07-28 09:30:24	2012-07-28 09:30:35	2012-07-28 09:35:35	X-Art - Introducing Diana [1080p].mov
2012-07-30 11:57:10	2012-07-30 11:57:45	2012-07-30 11:57:56	2012-07-30 12:02:56	X-Art - Introducing Diana [1080p].mov
2012-07-30 11:57:10	2012-07-30 11:57:45	2012-07-30 11:57:56	2012-07-30 12:02:56	X-Art - Introducing Diana [1080p].mov
2012-07-30 11:57:10	2012-07-30 11:57:45	2012-07-30 11:57:56	2012-07-30 12:02:56	X-Art - Introducing Diana [1080p].mov
2012-07-30 11:58:30	2012-07-30 11:59:05	2012-07-30 11:59:16	2012-07-30 12:04:13	X-Art - Introducing Diana [1080p].mov
2012-07-30 11:58:30	2012-07-30 11:59:05	2012-07-30 11:59:16	2012-07-30 12:04:13	X-Art - Introducing Diana [1080p].mov
2012-07-30 11:58:30	2012-07-30 11:59:05	2012-07-30 11:59:16	2012-07-30 12:04:13	X-Art - Introducing Diana [1080p].mov
2012-07-30 12:02:32	2012-07-30 12:03:06	2012-07-30 12:03:18	2012-07-30 12:08:13	X-Art - Introducing Diana [1080p].mov
2012-07-30 12:02:32	2012-07-30 12:03:06	2012-07-30 12:03:18	2012-07-30 12:08:13	X-Art - Introducing Diana [1080p].mov
2012-07-30 12:02:32	2012-07-30 12:03:06	2012-07-30 12:03:18	2012-07-30 12:08:13	X-Art - Introducing Diana [1080p].mov

<b>Session Start</b>	<b>Transfer Start</b>	<b>Transfer End</b>	<b>Session End</b>	<b>Filename</b>
2012-07-30 12:04:59	2012-07-30 12:05:37	2012-07-30 12:05:47	2012-07-30 12:10:48	X-Art - Introducing Diana [1080p].mov
2012-07-30 12:04:59	2012-07-30 12:05:37	2012-07-30 12:05:47	2012-07-30 12:10:48	X-Art - Introducing Diana [1080p].mov
2012-07-30 12:04:59	2012-07-30 12:05:37	2012-07-30 12:05:47	2012-07-30 12:10:48	X-Art - Introducing Diana [1080p].mov
2012-07-30 12:07:49	2012-07-30 12:08:24	2012-07-30 12:08:34	2012-07-30 12:11:14	X-Art - Introducing Diana [1080p].mov
2012-07-30 12:07:49	2012-07-30 12:08:24	2012-07-30 12:08:34	2012-07-30 12:11:14	X-Art - Introducing Diana [1080p].mov
2012-07-30 12:07:49	2012-07-30 12:08:24	2012-07-30 12:08:34	2012-07-30 12:11:14	X-Art - Introducing Diana [1080p].mov
2012-07-30 12:09:12	2012-07-30 12:09:46	2012-07-30 12:09:58	2012-07-30 12:11:13	X-Art - Introducing Diana [1080p].mov
2012-07-30 12:09:12	2012-07-30 12:09:46	2012-07-30 12:09:58	2012-07-30 12:11:13	X-Art - Introducing Diana [1080p].mov
2012-07-30 12:09:12	2012-07-30 12:09:46	2012-07-30 12:09:58	2012-07-30 12:11:13	X-Art - Introducing Diana [1080p].mov
2012-08-04 20:32:38	2012-08-04 20:33:59	2012-08-04 20:34:11	2012-08-04 20:38:46	X-Art - Introducing Diana [1080p].mov
2012-08-04 20:32:38	2012-08-04 20:33:59	2012-08-04 20:34:11	2012-08-04 20:38:46	X-Art - Introducing Diana [1080p].mov
2012-08-04 20:32:38	2012-08-04 20:33:59	2012-08-04 20:34:11	2012-08-04 20:38:46	X-Art - Introducing Diana [1080p].mov
2012-08-04 20:59:54	2012-08-04 21:00:28	2012-08-04 21:00:39	2012-08-04 21:05:29	X-Art - Introducing Diana [1080p].mov
2012-08-04 20:59:54	2012-08-04 21:00:28	2012-08-04 21:00:39	2012-08-04 21:05:29	X-Art - Introducing Diana [1080p].mov
2012-08-04 20:59:54	2012-08-04 21:00:28	2012-08-04 21:00:39	2012-08-04 21:05:29	X-Art - Introducing Diana [1080p].mov
2012-08-04 21:00:57	2012-08-04 21:01:32	2012-08-04 21:01:43	2012-08-04 21:06:43	X-Art - Introducing Diana [1080p].mov
2012-08-04 21:00:57	2012-08-04 21:01:32	2012-08-04 21:01:43	2012-08-04 21:06:43	X-Art - Introducing Diana [1080p].mov
2012-08-04 21:00:57	2012-08-04 21:01:32	2012-08-04 21:01:43	2012-08-04 21:06:43	X-Art - Introducing Diana [1080p].mov
2012-08-04 21:06:14	2012-08-04 21:06:48	2012-08-04 21:07:00	2012-08-04 21:07:29	X-Art - Introducing Diana [1080p].mov
2012-08-04 21:06:14	2012-08-04 21:06:48	2012-08-04 21:07:00	2012-08-04 21:07:29	X-Art - Introducing Diana [1080p].mov
2012-08-04 21:06:14	2012-08-04 21:06:48	2012-08-04 21:07:00	2012-08-04 21:07:29	X-Art - Introducing Diana [1080p].mov
2012-08-05 03:11:58	2012-08-05 03:13:25	2012-08-05 03:13:36	2012-08-05 03:18:28	X-Art - Introducing Diana [1080p].mov
2012-08-05 03:11:58	2012-08-05 03:13:25	2012-08-05 03:13:36	2012-08-05 03:18:28	X-Art - Introducing Diana [1080p].mov
2012-08-05 03:11:58	2012-08-05 03:13:25	2012-08-05 03:13:36	2012-08-05 03:18:28	X-Art - Introducing Diana [1080p].mov
2012-08-05 03:15:28	2012-08-05 03:16:44	2012-08-05 03:16:56	2012-08-05 03:21:56	X-Art - Introducing Diana [1080p].mov
2012-08-05 03:15:28	2012-08-05 03:16:44	2012-08-05 03:16:56	2012-08-05 03:21:56	X-Art - Introducing Diana [1080p].mov
2012-08-05 03:15:28	2012-08-05 03:16:44	2012-08-05 03:16:56	2012-08-05 03:21:56	X-Art - Introducing Diana [1080p].mov
2012-08-05 03:17:01	2012-08-05 03:17:36	2012-08-05 03:17:47	2012-08-05 03:22:47	X-Art - Introducing Diana [1080p].mov
2012-08-05 03:17:01	2012-08-05 03:17:36	2012-08-05 03:17:47	2012-08-05 03:22:47	X-Art - Introducing Diana [1080p].mov
2012-08-05 03:17:01	2012-08-05 03:17:36	2012-08-05 03:17:47	2012-08-05 03:22:47	X-Art - Introducing Diana [1080p].mov
2012-08-05 03:18:44	2012-08-05 03:19:19	2012-08-05 03:19:30	2012-08-05 03:24:28	X-Art - Introducing Diana [1080p].mov

<b>Session Start</b>	<b>Transfer Start</b>	<b>Transfer End</b>	<b>Session End</b>	<b>Filename</b>
2012-08-05 03:18:44	2012-08-05 03:19:19	2012-08-05 03:19:30	2012-08-05 03:24:28	X-Art - Introducing Diana [1080p].mov
2012-08-05 03:18:44	2012-08-05 03:19:19	2012-08-05 03:19:30	2012-08-05 03:24:28	X-Art - Introducing Diana [1080p].mov
2012-08-21 01:39:40	2012-08-21 01:40:15	2012-08-21 01:40:26	2012-08-21 01:45:26	X-Art - Introducing Diana [1080p].mov
2012-08-21 01:39:40	2012-08-21 01:40:15	2012-08-21 01:40:26	2012-08-21 01:45:26	X-Art - Introducing Diana [1080p].mov
2012-08-21 01:39:40	2012-08-21 01:40:15	2012-08-21 01:40:26	2012-08-21 01:45:26	X-Art - Introducing Diana [1080p].mov
2012-08-21 02:02:48	2012-08-21 02:03:23	2012-08-21 02:03:34	2012-08-21 02:08:34	X-Art - Introducing Diana [1080p].mov
2012-08-21 02:02:48	2012-08-21 02:03:23	2012-08-21 02:03:34	2012-08-21 02:08:34	X-Art - Introducing Diana [1080p].mov
2012-08-21 02:02:48	2012-08-21 02:03:23	2012-08-21 02:03:34	2012-08-21 02:08:34	X-Art - Introducing Diana [1080p].mov
2012-08-21 02:04:50	2012-08-21 02:05:25	2012-08-21 02:05:36	2012-08-21 02:10:37	X-Art - Introducing Diana [1080p].mov
2012-08-21 02:04:50	2012-08-21 02:05:25	2012-08-21 02:05:36	2012-08-21 02:10:37	X-Art - Introducing Diana [1080p].mov
2012-08-21 02:04:50	2012-08-21 02:05:25	2012-08-21 02:05:36	2012-08-21 02:10:37	X-Art - Introducing Diana [1080p].mov
2012-09-30 10:39:58	2012-09-30 10:40:49	2012-09-30 10:42:03	2012-09-30 10:45:55	X-Art - Introducing Diana [1080p].mov
2012-09-30 10:39:58	2012-09-30 10:40:49	2012-09-30 10:42:03	2012-09-30 10:45:55	X-Art - Introducing Diana [1080p].mov
2012-09-30 10:39:58	2012-09-30 10:40:49	2012-09-30 10:42:03	2012-09-30 10:45:55	X-Art - Introducing Diana [1080p].mov
2012-09-30 10:55:35	2012-09-30 10:56:29	2012-09-30 10:59:31	2012-09-30 11:01:55	X-Art - Introducing Diana [1080p].mov
2012-09-30 10:55:35	2012-09-30 10:56:29	2012-09-30 10:59:31	2012-09-30 11:01:55	X-Art - Introducing Diana [1080p].mov
2012-09-30 10:55:35	2012-09-30 10:56:29	2012-09-30 10:59:31	2012-09-30 11:01:55	X-Art - Introducing Diana [1080p].mov

## Packet Sniffer - Summary

We've monitored the affected network connection from the infringer to us gapless, as you can see on page #6. To prove the offense in later time, we archived the full-size packet dump to reconstruct the case restoring the whole transferred data.

Shortened, we can extract the following process from the network packet dumps.

### Line # Description

- 2 BitTorrent Handshake initialization by the opponent in this session.
- 3 We confirm the handshake request.
- 4 Opponent sent information about pieces that already have been downloaded successfully.
- 6 We pretend the interest of the piece(s) offered by the opponent.
- 7 Opponent has sent us a positive reply, meaning we should go forward.
- 8 We request the correlating torrent piece from the opponent.
- 10 Opponent sends us the requested piece.

## Packet Sniffer - Results

The following logfile shows the network activity between the file-sharing user and our systems.

Explanation of the columns

<b>#</b>	Consecutive numbering.
<b>Date, Time</b>	Moment of the communication.
<b>Source (IP:Port), Destination (IP:Port)</b>	Source describes the IP address of the sender; Destination describes the IP address of the receiving side. The communication is like an dialog in which both parties are sending and receiving network packets. Our systems may request pieces, so it also can be the sender. But it comes down to an infringement when the sender is sending a piece to us.
<b>Protocol</b>	Describes the used networking protocol was used to send the packet.
<b>Length</b>	Length of the network packet.
<b>Data</b>	Short and human readable information about the packet content was being sent/received.



#	Date, Time	Source (IP:Port)	Destination (IP:Port)	Protocol	Length	Data
1	Jun 6, 2012 15:41:39.441109000 UTC	98.220.43.119:56143	192.168.113.200:9271	TCP	66	56143 > 9271 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
2	Jun 6, 2012 15:41:39.585559000 UTC	98.220.43.119:56143	192.168.113.200:9271	BitTorrent	122	Handshake 77a45d676cef28f3ea2e9acb4c602cad6bbbaa69
3	Jun 6, 2012 15:41:39.588195000 UTC	192.168.113.200:9271	98.220.43.119:56143	BitTorrent	199	Handshake Extended 77a45d676cef28f3ea2e9acb4c602cad6bbbaa69
4	Jun 6, 2012 15:41:40.753516000 UTC	98.220.43.119:56143	192.168.113.200:9271	BitTorrent	744	Extended Bitfield, Len:0xd3 Have, Piece (Idx:0x40a) Have, Piece (Idx:0x37) Have, Piece (Idx:0x615) Have, Piece (Idx:0x644) Have, Piece (Idx:0x232) Have, Piece (Idx:0x323) Have, Piece (Idx:0x479) Have, Piece (Idx:0x14) Have, Piece (Idx:0xc0) Have, Piece (Idx:0x296) Have, Piece (Idx:0x5c) Have, Piece (Idx:0x5bb) Have, Piece (Idx:0x4d6) Have, Piece (Idx:0x2a) Have, Piece (Idx:0x2e6) Have, Piece (Idx:0x3f7) Have, Piece (Idx:0x35) Have, Piece (Idx:0x55d) Have, Piece (Idx:0x343) Have, Piece (Idx:0x645) Have, Piece (Idx:0x428) Have, Piece (Idx:0x1e9) Have, Piece (Idx:0x4b8) Have, Piece (Idx:0x3ad) Port
5	Jun 6, 2012 15:41:40.755541000 UTC	192.168.113.200:9271	98.220.43.119:56143	BitTorrent	61	Port
6	Jun 6, 2012 15:42:10.755272000 UTC	192.168.113.200:9271	98.220.43.119:56143	BitTorrent	59	Interested
7	Jun 6, 2012 15:42:11.448901000 UTC	98.220.43.119:56143	192.168.113.200:9271	BitTorrent	60	Unchoke
8	Jun 6, 2012 15:42:11.449904000 UTC	192.168.113.200:9271	98.220.43.119:56143	BitTorrent	71	Request, Piece (Idx:0x24e, Begin:0x0, Len:0x4000)
9	Jun 6, 2012 15:42:13.697055000 UTC	98.220.43.119:56143	192.168.113.200:9271	BitTorrent	1514	Extended
10	Jun 6, 2012 15:42:25.122921000 UTC	98.220.43.119:56143	192.168.113.200:9271	BitTorrent	479	Piece, Idx:0x24e, Begin:0x0, Len:0x4000
11	Jun 6, 2012 15:42:55.125929000 UTC	192.168.113.200:9271	98.220.43.119:56143	BitTorrent	58	BitTorrent
12	Jun 6, 2012 15:43:25.125935000 UTC	192.168.113.200:9271	98.220.43.119:56143	BitTorrent	58	BitTorrent
13	Jun 6, 2012 15:43:55.126125000 UTC	192.168.113.200:9271	98.220.43.119:56143	BitTorrent	58	BitTorrent
14	Jun 6, 2012 15:44:15.448342000 UTC	98.220.43.119:56143	192.168.113.200:9271	BitTorrent	137	BitTorrent Extended
15	Jun 6, 2012 15:46:18.441431000 UTC	98.220.43.119:56143	192.168.113.200:9271	BitTorrent	60	BitTorrent
16	Jun 6, 2012 15:47:13.555154000 UTC	98.220.43.119:56143	192.168.113.200:9271	TCP	60	56143 > 9271 [FIN, ACK] Seq=17336 Ack=187 Win=64054 Len=0
17	Jun 6, 2012 15:47:13.555859000 UTC	192.168.113.200:9271	98.220.43.119:56143	TCP	54	9271 > 56143 [FIN, ACK] Seq=187 Ack=17337 Win=40880 Len=0