| UNITED STATES PATENT AND TRADEMARK OFFICE   |
|---|
| BEFORE THE PATENT TRIAL AND APPEAL BOARD    |
| SONOS, INC., Petitioner,                    |
| v.  |
| IMPLICIT, LLC, Patent Owner.                |
| Case No. IPR2018-00767 Patent No. 8,942,252 |

## PATENT OWNER'S UPDATED EXHIBIT LIST



Pursuant to 37 C.F.R. § 42.63(e), Patent Owner Implicit, LLC hereby submits a current listing of Patent Owner exhibits. Exhibit 2097 is being filed and served today.

| Exhibit | Description  |
|---------|--|
| 2001    | Declaration of Edward Balassanian  |
| 2002    | "Technical Presentation.ppt" from BeComm files   |
| 2003    | "demo000.html" from BeComm files   |
| 2004    | "index.html" from BeComm files re: DEMO 2000   |
| 2005    | "P0000542.jpg" from BeComm files   |
| 2006    | "web_tablet.html" from BeComm files  |
| 2007    | "strsings_audio.html" from BeComm files  |
| 2008    | "index.html" from BeComm files re: Project Juno  |
| 2009    | "Phase0Formatted.doc" from BeComm files re: Project Juno   |
| 2010    | Joint Claim Construction Statement in <i>Implicit, LLC v. Sonos, Inc.</i> , No. 17-259-LPS-CJB (D. Del.) |
| 2011    | "Juno Phase 1.doc" from BeComm files re: Project Juno  |
| 2012    | "Project Juno Status 021601.msg" from BeComm files re: Project Juno                                      |
| 2013    | Strings Source Code CVS log excerpts for avsync.c file.  |
| 2014    | Strings Source Code CVS log excerpts for timesync.c file.  |
| 2015    | Strings Source Code CVS log excerpts for video.rule file within remotesync package.                      |
| 2016    | Strings Source Code CVS log excerpts for audiosync.c file.   |
| 2017    | Source code for audiosync.c from BeComm files  |
| 2018    | "clocksync.htm" from BeComm files  |
| 2019    | Source code for timesync.c from BeComm files   |
| 2020    | Source code for clocksync.c from BeComm files  |
| 2021    | "Using Strings to Compose Applications from Reusable<br>Componen.pdf" from BeComm files                  |



| Exhibit | Description   |
|---------|---|
| 2022    | "rulesfiles.htm" from BeComm files  |
| 2023    | Source code for source.pl from BeComm files re: test/demo                                 |
| 2024    | Screen capture of "fightclubrgb.avi" from BeComm files in bdk/test/demo directory         |
| 2025    | "Strings_Audio_Player.htm" from BeComm files  |
| 2026    | "overview.htm" from BeComm files re: Strings Audio Player                                 |
| 2027    | "usage.htm" from BeComm files re: Strings Audio Player                                    |
| 2028    | Source code for audioplayerapp.rule from BeComm files re: test/demo2                      |
| 2029    | "DMPCaseStudy.doc" from BeComm files  |
| 2030    | Strings Source Code CVS log excerpts for clocksync.c file                                 |
| 2031    | Strings Source Code CVS log excerpts for audio.rule file re: tes/taudiosync               |
| 2032    | Strings Source Code CVS log excerpts for makefile file for test/demo directory            |
| 2033    | "ipaqperformance.html" from BeComm files  |
| 2034    | Strings Source Code CVS log excerpts for audioplayerapp.rule file                         |
| 2035    | Strings Source Code CVS log excerpts for makefile for bdk/packages/videoclient/ directory |
| 2036    | Strings Source Code CVS log excerpts for videomulti.rule in the videoserver package       |
| 2037    | "synchronization.doc" from BeComm files   |
| 2038    | December 16, 2001 email chain re: synchro patent  |
| 2039    | "BeComm Comcast RFI Response.doc" from BeComm files                                       |
| 2040    | "Tatung Proposal Final.pdf" from BeComm files   |
| 2041    | "Philips Proposal.pdf" from BeComm files  |
| 2042    | "Philips Proposal.pdf" from BeComm files  |
| 2043    | Source code for avidemux.c from BeComm files  |
| 2044    | Source code for bmpdecoder.c from BeComm files  |
| 2045    | Source code for bmptorgb.c from BeComm files  |
| 2046    | Source code for fanout.c from BeComm files  |



| Exhibit | Description   |
|---------|---|
| 2047    | Source code for framer.c from BeComm files                              |
| 2048    | Source code for ipv4.c from BeComm files                                |
| 2049    | Source code for rgbalterencoding.c from BeComm files                    |
| 2050    | Source code for rgbvideo.c from BeComm files                            |
| 2051    | Source code for speaker.c from BeComm files                             |
| 2052    | Source code for tcp.c from BeComm files on POSIX                        |
| 2053    | Source code for udp.c from BeComm files on POSIX                        |
| 2054    | Source code for tcp.c from BeComm files on Win32                        |
| 2055    | Source code for udp.c from BeComm files on Win32                        |
| 2056    | Source code for audio.rule from BeComm files re: test/audiosync         |
| 2057    | Source code for timesync.rule from BeComm files re: test/audiosync      |
| 2058    | Source code for video.rule from BeComm files re: test/audiosync         |
| 2059    | Source code for video2.rule from BeComm files re: test/audiosync        |
| 2060    | Source code for ipaqvideo.rule from BeComm files re: test/demo          |
| 2061    | Source code for localaudio.rule from BeComm files re: test/demo         |
| 2062    | Source code for localvideo.rule from BeComm files re: test/demo         |
| 2063    | Source code for mp3serveraudio.rule from BeComm files re: test/demo     |
| 2064    | Source code for network.rule from BeComm files re: test/demo            |
| 2065    | Source code for pcmserveraudio.rule from BeComm files re: test/demo     |
| 2066    | Source code for syncaudio.rule from BeComm files re: test/demo          |
| 2067    | Source code for syncmp3.rule from BeComm files re: test/demo            |
| 2068    | Source code for timesync.rule from BeComm files re: test/demo           |
| 2069    | Source code for unsyncaudio.rule from BeComm files re: test/demo        |
| 2070    | Source code for unsyncmp3.rule from BeComm files re: test/demo          |
| 2071    | Source code for videoclient.rule from BeComm files re: test/demo        |
| 2072    | Source code for videomulti.rule from BeComm files re: test/demo         |
| 2073    | Source code for videoserver.rule from BeComm files re: test/demo        |
| 2074    | Copy of source code for clocksync.rule from BeComm files re: test/demo2 |



| Exhibit | Description  |
|---------|--|
| 2075    | Copy of source code for syncaudio.rule from BeComm files re: test/demo2    |
| 2076    | Source code for mp3decoder.c from BeComm files                             |
| 2077    | Screen captures of metadata information for various exhibits               |
| 2078    | Strings Source Code CVS log excerpts for synchronization.doc file.         |
| 2079    | LinkedIn Profile of Angel Janevski, downloaded December 17, 2001.          |
| 2080    | Declaration of Atif Hashmi, Ph.D and Appendix 1                            |
| 2081    | Dr. Hashmi '791 Patent Claim Chart   |
| 2082    | Dr. Hashmi '252 Patent Claim Chart   |
| 2083    | Source code for timesync.rule from BeComm files re: test/demo2             |
| 2084    | Source code for audiosync.c from BeComm files                              |
| 2085    | Source code for fanout.c from BeComm files                                 |
| 2086    | Source code for sampleclock.c from BeComm files                            |
| 2087    | Source code for clocksync.c from BeComm files                              |
| 2088    | Source code for sampleclock.c from BeComm files                            |
| 2089    | 2018 Annual Report of Sonos, Inc.  |
| 2090    | Notice of Intent to Issue Subpoena to Larry Peterson                       |
| 2091    | Declaration of Edward Balassanian  |
| 2092    | Excerpts of May 30, 2012 Deposition Transcript of Edward Balassanian       |
| 2093    | Excerpts of March 11, 2019 Deposition Transcript (Rough) of Larry Peterson |
| 2094    | April 9, 2019 Deposition Transcript of Dr. Roman Chertov                   |
| 2095    | Patent Owner Demonstratives  |
| 2096    | January 25, 2023 Conference Call Transcript                                |
| 2097    | Certificate of Correction to U.S. Patent No. 8,942,252                     |



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