## PATENT ASSIGNMENT

## Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE:   |                           | NEW ASSIGNMENT          |                |  |  |  |  |
|--|---------------------------|-------------------------|----------------|--|--|--|--|
| NATURE OF CONVEYANCE: ASSIGN   |                           | ASSIGNMENT              | SSIGNMENT      |  |  |  |  |
| CONVEYING PARTY DATA   |                           |                         |                |  |  |  |  |
|  | N                         | lame                    | Execution Date |  |  |  |  |
| Quenie Qinghua Sun   |                           |                         | 12/13/2011     |  |  |  |  |
| John Peter Curtin  |                           |                         | 12/13/2011     |  |  |  |  |
| RECEIVING PARTY DATA   |                           |                         |                |  |  |  |  |
| Name: Tektronix, I   | пс.                       |                         | ]              |  |  |  |  |
|  | 14200 SW Karl Braun Drive |                         |                |  |  |  |  |
| City: Beaverton  | Beaverton                 |                         |                |  |  |  |  |
| State/Country: OREGON  | OREGON                    |                         |                |  |  |  |  |
| Postal Code: 97077-000   | 97077-0001                |                         |                |  |  |  |  |
| PROPERTY NUMBERS Total: 1  |                           |                         |                |  |  |  |  |
| Property Type  |                           | Number                  |                |  |  |  |  |
| Application Number: 13327  |                           | Number   667            |                |  |  |  |  |
|  |                           |                         |                |  |  |  |  |
| Fax Number: (214)272-2778  |                           |                         |                |  |  |  |  |
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| Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent<br>via US Mail.  |                           |                         |                |  |  |  |  |
| Correspondent Name: Fogarty, L.L.C.  |                           |                         |                |  |  |  |  |
| Address Line 1: P.O. Box 703695  |                           |                         |                |  |  |  |  |
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| ATTORNEY DOCKET NUMBER:  |                           | 8996 US0                |                |  |  |  |  |
| NAME OF SUBMITTER:   |                           | Michael J. Fogarty, III |                |  |  |  |  |
| Total Attachments: 2<br>source=8996-US0_Assignment-signed#page1.tif<br>source=8996-US0_Assignment-signed#page2.tif |                           |                         |                |  |  |  |  |

## ASSIGNMENT

WHEREAS, I/WE <u>Quenie Qinghua Sun, residing at 1058 Hopewell Dr., Allen, Texas 75013; and</u> John Peter Curtin, residing at 402 Georgetown Dr., Richardson, Texas 75081;

have invented certain new and useful improvements in <u>Determining Mean Opinion Scores</u> (MOS) for Variable Bit Rate Audio Streams

## for which I/we:

[X] have executed an application for Letters Patent of the United States of even date herewith;

| []  | have filed an application for Letters Patent of the United States, No | on | ; |
|-----|---|----|---|
| []  | have filed a U.S. Provisional Application, No, on                     |    | ; |
| and |   |    |   |

Tektronix, Inc. (hereinafter called Assignee), an Oregon corporation whose address is 14200 SW Karl Braun Drive, Beaverton, Oregon 97077-0001 desires to acquire my/our entire right, title and interest in and to said improvements and said application(s);

For good and valuable consideration, the receipt and sufficiency of which is acknowledged, I/we hereby assign and transfer to Assignee my/our entire right, title and interest in and to said improvements throughout the world, and in and to said application(s), including any previously filed provisional application(s) and any continuation(s) or division(s) thereof, and any Letters Patent or other protective right(s) that may be granted therefor in the United States and in any and all foreign countries, including the right to file in foreign countries applications for protection of said improvements claiming priority from said application(s).

I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and corresponding officials in any and all foreign countries to issue said Letters Patent(s) or protective right(s) to Assignee as the assignee of my/our entire right, title and interest therein, for the sole use and benefit of Assignee.

I/We hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed, and will not execute, any agreement in conflict herewith.

I/We hereby agree to communicate to Assignee or its legal representatives any facts known to me/us relating to said improvements, to testify as to the same in any interference or legal proceeding concerned therewith, to execute promptly and deliver to Assignee or its legal representatives upon request any and all papers, instruments, declarations and affidavits required to apply for, obtain, maintain and enforce Letters Patent(s) or other protective right(s) for said improvements throughout the world, and generally to do everything necessary or desirable to vest and perfect title thereto in Assignee.

Assignment

Page 1 of 2

PATENT REEL: 027402 FRAME: 0670 U.S. Serial No.:

This assignment is binding upon me/us and my/our heirs, successors and personal representatives, and shall inure to the benefit of Assignee, its successors, assigns and nominees.

IN TESTIMONY WHEREOF, I/we hereunto set our hands and seals the day and year set opposite our respective signatures.

| Inventor 1: <u>Quenie Qinghua Sun</u> (Name)       | Jung Signature | 12/13/2011                    |
|--|----------------|-------------------------------|
| Witnessed by: <u>ANCI O'Nea</u> (/<br>(Print Name) | Signature      | Date<br> 2 -  4 -    <br>Date |
| Inventor 2: John Peter Curtin                      | Vila I Q       | 12/13/2011                    |

(Name) Witnessed by: <u>Andi</u> O'Neall <u>A. Oheau</u> <u>12-14-11</u> (Print Name) <u>Signature</u> Date

Signature

Date

Assignment

Page 2 of 2

PATENT REEL: 027402 FRAME: 0671

**RECORDED: 12/15/2011**