

# PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

|                                                                                                                                                                              |                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| SUBMISSION TYPE:                                                                                                                                                             | NEW ASSIGNMENT                      |
| NATURE OF CONVEYANCE:                                                                                                                                                        | ASSIGNMENT                          |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                  |                                     |
| Name                                                                                                                                                                         | Execution Date                      |
| Thomson Licensing S.A.S.                                                                                                                                                     | 09/08/2010                          |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                  |                                     |
| Name:                                                                                                                                                                        | TIXEL GmbH                          |
| Street Address:                                                                                                                                                              | Karl-Wiechert-Allee 74              |
| City:                                                                                                                                                                        | Hannover                            |
| State/Country:                                                                                                                                                               | GERMANY                             |
| Postal Code:                                                                                                                                                                 | 30625                               |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                             |                                     |
| Property Type                                                                                                                                                                | Number                              |
| Application Number:                                                                                                                                                          | 12584301                            |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                   |                                     |
| Fax Number:                                                                                                                                                                  | (215)542-5825                       |
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| ATTORNEY DOCKET NUMBER:                                                                                                                                                      | TIXEL-0007-US                       |
| NAME OF SUBMITTER:                                                                                                                                                           | Edward Howard                       |
| <b>Total Attachments: 6</b><br>source=00047043#page1.tif<br>source=00047043#page2.tif<br>source=00047043#page3.tif<br>source=00047043#page4.tif<br>source=00047043#page5.tif |                                     |

CH \$40.00 12584301

**501403080**

**PATENT**  
**REEL: 025621 FRAME: 0214**



### Patent Assignment Agreement

Between

Thomson Licensing S.A.S., a company duly organised and existing under the laws of France, having offices at 1-5 rue Jeanne d'Arc, 92443 Issy les Moulineaux cedex, France, with a share capital of 42,000,000 euros, registered at the trade register of Nanterre under number 383 461 191,

Hereinafter referred to as "Assignor",

And

TIXEL GmbH, a company duly organized and existing under the laws of Germany and having offices at Karl-Wiechert-Allee 74, 30625 Hannover,

Hereinafter referred to as "Assignee",

Hereinafter called, separately or collectively, "Party(ies)";

WHEREAS Assignor is the owner of certain Assignor Patents, as more fully set forth below hereafter and as attached in Exhibit I to the present Patent Assignment Agreement;

WHEREAS pursuant to Article 1 of the Agreement signed between Assignor and Assignee (ref. SP09C175L)(the "Agreement"), all right, title and interest to Assignor's Assignor Patents, as set forth in the Agreement, shall be assigned to Assignee;

THEREFORE, both Parties hereby agree as follows:

#### Article 1

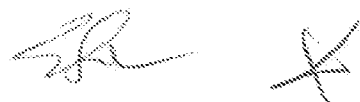
Assignor hereby transfers and assigns to Assignee, and confirms the transfer and assignment to Assignee of, all of Assignor's right, title and interest in its Assignor Patents; that is, all those patents or patent applications which are listed on the Exhibit I to the present Patent Assignment Agreement. Assignee hereby accepts such transfer and assignment to it of the foregoing Assignor Patents.

In consequence, Assignee shall have all right, title and interest in and to the foregoing Assignor Patents, including the right to exploit, use, assign, license (or act as licensor, in respect of existing license agreements) and dispose of the foregoing Assignor Patents.

#### Article 2

Assignee will have the right to institute, continue or defend, any suit or action dealing with the foregoing Assignor Patents.

To such effect, Assignee is subrogated to all Assignor's rights and actions, in substitution for those of Assignor, both with respect to claims and defenses.



Article 3

The Assignor warrants that its rights with respect to the foregoing Assignor Patents have not been mortgaged, pledged, hypothecated or encumbered by any lien or security interest interfering with the assignment.

Article 4

The foregoing assignment is concluded for fair and valuable consideration paid, or to be paid, to or on behalf of Assignor and at an amount mutually agreed.

Article 5

The present Patent Assignment Agreement may be registered by or for the Assignee, at its expense, before the appropriate Patents Office(s).

Article 6

Following execution by the Parties, the present Patent Assignment Agreement shall come into force retroactively as at May 11, 2010.

IN WITNESS WHEREOF, each of the Parties hereto has caused the present Patent Assignment Agreement to be executed in two (2) original copies, one (1) for each part, by its duly authorized officer or representative.

Assignor

By

David KATZ  
(title and signature): VP Br. Dev./I&L  
Date: 08 Sept. 2010

Assignee

By

Dr. Edward Sweeney  
(title and signature): Managing Director, CEO  
Date: 08. Sep. 2010

## Exhibit I - List of Assignor Patents

## I. Patent applications:

File Number : PD060104Internal Title : TRANSPORT OF DIGITAL MOVING-PICTURE EXCHANGE DATA  
(DPX) OVER HIGH SPEED NETWORKS

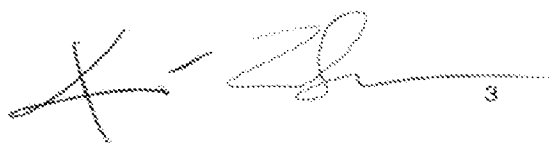
| Countries | Filing date | Filing number | Grant date | Patent number | Status | Expiring date |
|-----------|-------------|---------------|------------|---------------|--------|---------------|
| EP        | 19 dec 2006 | 06126543.5    |            |               | PUB    | 19 dec 2026   |

File Number : PD070029Internal Title : METHOD FOR OPTIMIZATION OF THE DATA THROUGHPUT OF A  
MEMORY UNIT

| Countries | Filing date | Filing number | Grant date | Patent number | Status | Expiring date |
|-----------|-------------|---------------|------------|---------------|--------|---------------|
| DE        |             |               |            |               | DES    |               |
| EP        | 09 apr 2008 | 08736033.5    |            |               | PUB    | 09 apr 2028   |
| EP        | 16 apr 2007 | 07106251.7    |            |               | ABD    |               |
| FR        |             |               |            |               | DES    |               |
| GB        |             |               |            |               | DES    |               |
| US        | 09 apr 2008 | 12/450853     |            |               | PUB    | 09 apr 2028   |
| WO        | 09 apr 2008 | EP2008/054310 |            |               | PUB    | 09 apr 2028   |

File Number : PD070035Internal Title : IMPROVED TIME SYNCHRONISATION ALGORITHM FOR  
NETWORKING

| Countries | Filing date | Filing number   | Grant date | Patent number | Status | Expiring date |
|-----------|-------------|-----------------|------------|---------------|--------|---------------|
| CN        | 08 may 2008 | 200880013892.1  |            |               | PUB    | 08 may 2028   |
| DE        |             |                 |            |               | DES    |               |
| EP        | 08 may 2008 | 08759462.8      |            |               | PUB    | 08 may 2028   |
| EP        | 10 may 2007 | 07107929.7      |            |               | ABD    |               |
| FR        |             |                 |            |               | DES    |               |
| GB        |             |                 |            |               | DES    |               |
| IN        | 08 may 2008 | 5921/CHENP/2009 |            |               | PUB    | 08 may 2028   |
| JP        | 08 may 2008 | PCT/EP08/055677 |            |               | FLGL   | 08 may 2028   |
| KR        | 08 may 2008 | 10-2009-7023368 |            |               | FLGL   | 08 may 2028   |
| US        | 08 may 2008 | 12/451364       |            |               | PUB    | 08 may 2028   |
| WO        | 08 may 2008 | PCT/EP08/055677 |            |               | PUB    | 08 may 2028   |

File Number : PD070084Internal Title : METHOD FOR FAST DATA TRANSPORT BETWEEN USER API AND  
NETWORK DRIVER


| Countries | Filing date | Filing number   | Grant date | Patent number | Status | Expiring date |
|-----------|-------------|-----------------|------------|---------------|--------|---------------|
| CN        |             |                 |            |               | ABD    |               |
| DE        |             |                 |            |               | DES    |               |
| EP        | 19 sep 2008 | 08804222.1      |            |               | PUB    | 15 sep 2028   |
| EP        | 02 oct 2007 | 07117776.0      |            |               | ABD    |               |
| FR        |             |                 |            |               | DES    |               |
| GB        |             |                 |            |               | DES    |               |
| IN        |             |                 |            |               | ABD    |               |
| JP        |             |                 |            |               | ABD    |               |
| US        |             |                 |            |               | ABD    |               |
| WO        | 18 sep 2008 | PCT/EP08/062263 |            |               | PUB    | 15 sep 2028   |

File Number : PD080001

Internal Title : CONNECTION OPENER PROBLEM SOLVING DATA RATE ESTIMATION

| Countries | Filing date | Filing number   | Grant date | Patent number | Status | Expiring date |
|-----------|-------------|-----------------|------------|---------------|--------|---------------|
| CN        |             |                 |            |               | DES    |               |
| DE        |             |                 |            |               | DES    |               |
| EP        |             |                 |            |               | FLD    |               |
| EP        | 22 feb 2008 | 08101897.0      |            |               | ABD    |               |
| EP        | 17 dec 2008 | 08869722.2      |            |               | PUB    |               |
| EP        | 04 jan 2008 | 08100104.2      |            |               | ABD    |               |
| FR        |             |                 |            |               | DES    |               |
| GB        |             |                 |            |               | DES    |               |
| JP        |             |                 |            |               | DES    |               |
| US        | 17 dec 2008 | 12/735311       |            |               | FLD    |               |
| WO        | 17 dec 2008 | PCT/EP08/067745 |            |               | PUB    | 17 dec 2028   |

File Number : PD080006

Internal Title : METHOD FOR FAST RECALCULATIONS BETWEEN DIFFERENT BASES TIMERS

| Countries | Filing date | Filing number   | Grant date | Patent number | Status | Expiring date |
|-----------|-------------|-----------------|------------|---------------|--------|---------------|
| CN        | 23 jan 2009 | 200910009732.6  |            |               | PUB    | 23 jan 2029   |
| DE        |             |                 |            |               | DES    |               |
| EP        | 19 jan 2009 | 09150867.1      |            |               | PUB    | 19 jan 2029   |
| EP        | 30 jan 2008 | 08101116.5      |            |               | ABD    |               |
| FR        |             |                 |            |               | DES    |               |
| GB        |             |                 |            |               | DES    |               |
| IN        | 07 jan 2009 | 36/CHE/2009     |            |               | PUB    | 07 jan 2029   |
| JP        | 27 jan 2009 | 2009-15248      |            |               | FLG    | 27 jan 2029   |
| KR        | 23 jan 2009 | 10-2009-0005933 |            |               | FLG    | 23 jan 2029   |
| TW        | 09 jan 2009 | 098100548       |            |               | FLG    | 09 jan 2029   |
| US        | 30 jan 2008 | 12/322307       |            |               | PUB    | 30 jan 2028   |



File Number : PD080028

Internal Title : PROACTIVE ACKNOWLEDGES OF LONG DATA SECTIONS

| Countries | Filing date | Filing number   | Grant date | Patent number | Status | Expiring date |
|-----------|-------------|-----------------|------------|---------------|--------|---------------|
| EP        | 04 apr 2008 | 08154106.2      |            |               | ABD    |               |
| WO        | 26 mar 2009 | PCT/EP09/053630 |            |               | PUB    | 26 mar 2029   |

File Number : PD080071

Internal Title : FAST PATH MTU DISCOVERY MECHANISM FOR WAN CONNECTIONS

| Countries | Filing date | Filing number | Grant date | Patent number | Status | Expiring date |
|-----------|-------------|---------------|------------|---------------|--------|---------------|
| EP        | 04 jul 2009 | 09008792.5    |            |               | PUB    | 04 jul 2029   |
| EP        | 15 sep 2008 | 08305551.7    |            |               | ABD    |               |
| IN        | 27 aug 2009 | 2069/CHE/2009 |            |               | PUB    | 27 aug 2029   |
| US        | 03 sep 2009 | 12/584301     |            |               | PUB    | 03 sep 2029   |

File Number : PD080092

Internal Title : ON-THE-FLY INTERLACING WITH RTP OFFSET RECALCULATION

| Countries | Filing date | Filing number   | Grant date | Patent number | Status | Expiring date |
|-----------|-------------|-----------------|------------|---------------|--------|---------------|
| EP        | 10 nov 2008 | 08305793.5      |            |               | ABD    |               |
| WO        | 06 nov 2009 | PCT/EP09/064747 |            |               | PUB    | 06 nov 2029   |

File Number : PD090012

Internal Title : METHOD FOR STORING IP PACKET LOSS INFORMATION IN ASSOZIATIVE MEMORY

| Countries | Filing date | Filing number   | Grant date | Patent number | Status | Expiring date |
|-----------|-------------|-----------------|------------|---------------|--------|---------------|
| EP        | 25 mar 2009 | 09305264.5      |            |               | ABD    |               |
| WO        | 24 mar 2010 | PCT/EP10/053840 |            |               | FLG    |               |



File Number : PD090029

Internal Title : IMPROVED METHOD TO EFFICIENTLY ACCESS FILES IN A ONEFS  
BASED FILESYSTEM

| Countries | Filing date | Filing number | Grant date | Patent number | Status | Expiring date |
|-----------|-------------|---------------|------------|---------------|--------|---------------|
| EP        | 27 nov 2009 | 09306149.7    |            |               | PLG    | 27 nov 2029   |

File Number : PD100014

Internal Title : METHOD FOR PARALLEL ACCES OF NETWORK ATTACHED  
STORAGE

| Countries | Filing date | Filing number | Grant date | Patent number | Status | Expiring date |
|-----------|-------------|---------------|------------|---------------|--------|---------------|
| EP        | 14 apr 2010 | 10305375.7    |            |               | PLG    | 14 apr 2030   |

File Number : PD100021

Internal Title : NETWORKING SYSTEM CALL DATA DIVISION FOR ZERO COPY  
OPERATIONS

| Countries | Filing date | Filing number | Grant date | Patent number | Status | Expiring date |
|-----------|-------------|---------------|------------|---------------|--------|---------------|
| EP        | 27 apr 2010 | 10305439.1    |            |               | PLG    | 27 apr 2030   |

## II. Invention Disclosure

None

