

**Patent Statement and Licensing Declaration Form for ITU-T/ITU-R Recommendation | ISO/IEC Deliverable**



**Patent Statement and Licensing Declaration  
for ITU-T/ITU-R Recommendation | ISO/IEC Deliverable**

*This declaration does not represent an actual grant of a license*

Please return to the relevant organization(s) as instructed below per document type:

Director Telecommunication Standardization Bureau International Telecommunication Union Place des Nations CH-1211 Geneva 20, Switzerland Fax: +41 22 730 5853 Email: <a href="mailto:tsbdir@itu.int">tsbdir@itu.int</a>	Director Radiocommunication Bureau International Telecommunication Union Place des Nations CH-1211 Geneva 20, Switzerland Fax: +41 22 730 5785 Email: <a href="mailto:brmail@itu.int">brmail@itu.int</a>	Secretary-General International Organization for Standardization 1 Chemin de la Voie-Creuse CH-1211 Geneva 20 Switzerland Fax: +41 22 733 3430 Email: <a href="mailto:patent.statements@iso.org">patent.statements@iso.org</a>	General Secretary International Electrotechnical Commission 3 rue de Varembe CH-1211 Geneva 20 Switzerland Fax: +41 22 919 0300 Email: <a href="mailto:inmail@iec.ch">inmail@iec.ch</a>
--	--	---	--

**Patent Holder:**

Legal Name California Institute of Technology

**Contact for license application:**

Name & Department Fred Farina

Caltech Office of Technology Transfer

Address 1200 E. California Blvd.

Pasadena, CA 91125, USA

Tel. +1 (626) 395-3822

Fax +1 (626) 577-2528

E-mail Fred.Farina@Caltech.edu

URL (optional) http://ott.caltech.edu

**Document type:**

ITU-T Rec. (\*)     ITU-R Rec. (\*)     ISO Deliverable (\*)     IEC Deliverable (\*)

(please return the form to the relevant Organization)

**Common text or twin text (ITU-T Rec. | ISO/IEC Deliverable (\*))** (for common text or twin text, please return the form to each of the three Organizations: ITU-T, ISO, IEC)

**ISO/IEC Deliverable (\*)** (for ISO/IEC Deliverables, please return the form to both ISO and IEC)

(\*)Number CCSDS 131.0-B      ISO 22641

(\*)Title TM SYNCHRONIZATION AND CHANNEL CODING

**Licensing declaration:**

The Patent Holder believes that it holds granted and/or pending applications for patents, the use of which would be required to implement the above document and hereby declares, in accordance with the Common Patent Policy for ITU-T/ITU-R/ISO/IEC, that (check one box only):

1. The Patent Holder is prepared to grant a free of charge license to an unrestricted number of applicants on a worldwide, non-discriminatory basis and under other reasonable terms and conditions to make, use, and sell implementations of the above document.

Negotiations are left to the parties concerned and are performed outside the ITU-T, ITU-R, ISO or IEC.

*Also mark here \_\_\_ if the Patent Holder's willingness to license is conditioned on reciprocity for the above document.*

*Also mark here \_\_\_ if the Patent Holder reserves the right to license on reasonable terms and conditions (but not free of charge) to applicants who are only willing to license their patent claims, whose use would be required to implement the above document, on reasonable terms and conditions (but not free of charge).*

2. The Patent Holder is prepared to grant a license to an unrestricted number of applicants on a worldwide, non-discriminatory basis and on reasonable terms and conditions to make, use and sell implementations of the above document.

Negotiations are left to the parties concerned and are performed outside the ITU-T, ITU-R, ISO, or IEC.

*Also mark here \_\_\_ if the Patent Holder's willingness to license is conditioned on reciprocity for the above document.*

3. The Patent Holder is unwilling to grant licenses in accordance with provisions of either 1 or 2 above.

In this case, the following information must be provided to ITU, and is strongly desired by ISO and IEC, as part of this declaration:

- granted patent number or patent application number (if pending);
- an indication of which portions of the above document are affected;
- a description of the patent claims covering the above document.

**Free of charge:** The words "free of charge" do not mean that the Patent Holder is waiving all of its rights with respect to the essential patent. Rather, "free of charge" refers to the issue of monetary compensation; *i.e.*, that the Patent Holder will not seek any monetary compensation as part of the licensing arrangement (whether such compensation is called a royalty, a one-time licensing fee, etc.). However, while the Patent Holder in this situation is committing to not charging any monetary amount, the Patent Holder is still entitled to require that the implementer of the above document sign a license agreement that contains other reasonable terms and conditions such as those relating to governing law, field of use, reciprocity, warranties, etc.

**Reciprocity:** As used herein, the word "reciprocity" means that the Patent Holder shall only be required to license any prospective licensee if such prospective licensee will commit to license its essential patent(s) or essential patent claim(s) for implementation of the same above document free of charge or under reasonable terms and conditions.

**Signature:**

Patent Holder

Assignee: California Institute of Technology (Pasadena, CA)

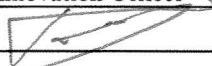
Name of authorized person

Fred Farina

Title of authorized person

Chief Innovation Officer

Signature



Place, Date

Pasadena, California, USA, May 12, 2011

<b>Patent Information</b> (desired but not required for options 1 and 2; required in ITU for option 3 (NOTE))				
<b>No.</b>	<b>Status</b> [granted/ pending]	<b>Country</b>	<b>Granted Patent Number or Application Number (if pending)</b>	<b>Title</b>
1	Granted 11 March 2008	USA	US Patent 7,343,539	ARA type protograph codes
2	Granted 3 March 2009	USA	US Patent 7,499,490	Encoders for block-circulant LDPC codes
3				

*NOTE: For option 3, the additional minimum information that shall also be provided is listed in the option 3 box above.*

-----