

PATENT STATEMENT AND LICENSING DECLARATION FORM FOR
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Patent Statement and Licensing Declaration
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This declaration does not represent an actual grant of a license

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Document type:

☒ ITU-T Rec. (*) ☐ ITU-R Rec. (*) ☐ ISO Deliverable (*) ☐ IEC Deliverable (*)
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(*)Number ITU-T H.264

(*)Title Advanced video coding for generic audiovisual services

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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.

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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:

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Patent Information (desired but not required for options 1 and 2; required in ITU for option 3 (NOTE))				
No.	Status [granted/ pending]	Country	Granted Patent Number or Application Number (if pending)	Title
1	GRANTED	EP	EP1808023	INTER PREDICTION FOR MULTIPLE SPATIAL FORMAT REPRESENTATION
2	GRANTED	EP	EP2005760	MOTION AND TEXTURE INTER-LAYER PREDICTION FOR SCALABLE VIDEO CODING : INTERLACE BASE LAYER AND PROGRESSIVE HIGH LAYER
3	GRANTED	EP	EP1958449	MOTION AND TEXTURE INTER-LAYER PREDICTION FOR SCALABLE VIDEO CODING OF PROGRESSIVE BASE LAYER AND INTERLACE HIGH LAYER
4	GRANTED	EP	EP2016774	SIMPLIFIED INTER-LAYER MOTION PREDICTION FOR SCALABLE VIDEO CODING
5	GRANTED	EP	EP1540824	MOTION ESTIMATION WITH WEIGHTING PREDICTION
6	GRANTED	EP	EP1552692	ADAPTIVE WEIGHTING OF REFERENCE PICTURES IN VIDEO CODEC
7	GRANTED	EP	EP1540952	ADAPTIVE WEIGHTING OF REFERENCE PICTURES IN VIDEO CODEC
8	GRANTED	EP	EP1661089	METHOD ALLOWING AUTOMATIC FILM GRAIN MODELING IN THE FREQUENCY DOMAIN
9	GRANTED	EP	EP1815324	BIT ACCURATE SEED INITIALIZATION FOR PSEUDO-RANDOM NUMBER GENERATORS USED IN HD DVD SYSTEMS
10	GRANTED	EP	EP1812904	FILM GRAIN SIMULATION METHOD BASED ON PRE-COMPUTED TRANSFORMED COEFFICIENTS
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NOTE: For option 3, the additional minimum information that shall also be provided is listed in the option 3 box above.

Patent Information (desired but not required for options 1 and 2; required in ITU for option 3 (NOTE))				
No.	Status [granted/ pending]	Country	Granted Patent Number or Application Number (if pending)	Title
11	GRANTED	EP	EP1815688	LOW COMPLEXITY FILM GRAIN SIMULATION METHOD BASED ON THE GENERATION OF A BLOCK OF TRANSFORMED COEFFICIENTS
12	GRANTED	US	US9179157	HYPOTHETICAL REFERENCE DECODER FOR SVC
13	GRANTED	MY	MY-114532-A	METHOD FOR CODING MOTION VECTORS
14	GRANTED	US	US7720152	IMPLICIT WEIGHTING OF REFERENCE PICTURES
15	GRANTED	US	US7801217	IMPLICIT WEIGHTING OF REFERENCE PICTURES
16	GRANTED	US	US8948256	REFERENCE PICTURE LIST MANAGEMENT FOR MVC
17	PENDING	PCT	PCT/US07/012452	HIGH-LEVEL SYNTAX FOR RANDOM ACCESS IN MULTI VIEW CODING
18	PENDING	EP	EP05813402.4	INTER PREDICTION OF MOTION AND CODING MODES IN INTER-LAYER SCALABLE VIDEO CODER AND DECODER
19	PENDING	EP	EP06807832.8	MOTION AND TEXTURE INTER-LAYER PREDICTION FOR SCALABLE VIDEO CODING OF INTERLACE BASE LAYER AND INTERLACE HIGH LAYER
20	PENDING	EP	EP04749583.3	APPARATUS FOR REPRESENTING SIGNAL-DEPENDENT FILM GRAIN NOISE BY A SET OF PARAMETERS
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NOTE: For option 3, the additional minimum information that shall also be provided is listed in the option 3 box above.

Patent Information (desired but not required for options 1 and 2; required in ITU for option 3 (NOTE))				
No.	Status [granted/ pending]	Country	Granted Patent Number or Application Number (if pending)	Title
21	PENDING	EP	EP05806780.2	FILM GRAIN SIMULATION METHOD FOR HD DVD SYSTEMS
22	PENDING	EP	EP06760205.2	WEIGHTED PREDICTION IN SCALABLE VIDEO CODING
23	PENDING	EP	EP07810285.2	CONSISTENT FRAME NUM AND POC DESIGN FOR MVC
24	PENDING	EP	EP07810286.0	CONSISTENT FRAME NUM AND POC DESIGN FOR MVC
25	PENDING	EP	EP08705571.1	NEW SYNTAX FOR CODED BLOCK FLAG FOR THE HIGH 4:4:4 INTRA AND HIGH 4:4:4 PREDICTIVE PROFILES IN AVC/2.64
26	PENDING	EP	EP08726902.3	REFERENCE PICTURE LIST MANAGEMENT FOR MVC
27	PENDING	EP	EP08727011.2	VIDEO USER INFORMATION FOR SCALABLE VIDEO CODING
28	PENDING	EP	EP08742877.7	HYPOTHETICAL REFERENCE DECODER FOR MULTIVIEW VIDEO CODING
29	PENDING	EP	EP08743214.2	INTERVIEW PREDICTION WITH DIFFERENT RESOLUTION REFERENCE PICTURE
30	PENDING	EP	EP08838196.7	VIDEO USER INFORMATION FOR MULTI-VIEW VIDEO CODING
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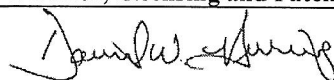
Patent Information (desired but not required for options 1 and 2; required in ITU for option 3 (NOTE))				
No.	Status [granted/ pending]	Country	Granted Patent Number or Application Number (if pending)	Title
31	PENDING	EP	EP08837725.4	VIDEO USER INFORMATION FOR MULTI-VIEW VIDEO CODING
32	PENDING	EP	EP10701751.9	EXRENSION ON SPATIAL INTERLEAVING SEI MESSAGE
33	PENDING	EP	EP04783594.7	A METHOD FOR SIMULATING FILM GRAIN BY MOSAICING A SERIES OF PRE-COMPUTED SAMPLES
34	PENDING	EP	EP04784705.8	EFFICIENT IMPLEMENTATION OF A METHOD FOR SIMULATING FILM GRAIN USING FREQUENCY FILTERING
35	PENDING	EP	EP04794941.7	EFFICIENT IMPLEMENTATION OF FILM GRAIN SIMULATION AND COMFORT NOISE ADDITION
36	PENDING	EP	EP05813106.1	ADAPTIVE DEBLOCKING OF BLOCK- BASED FILM GRAIN PATTERNS
37	PENDING	EP	EP10159675.7	FILM GRAIN SIMULATION METHOD FOR NORMAL PLAY AND TRICK MODES FOR HD DVD SYSTEMS
38	PENDING	EP	EP06738965.0	PERFORMANCE IMPROVED 4:4:4 CODING FOR MPEG4-PART10/H.264
39	PENDING	EP	EP06825326.9	FMO AND ROI SCALABILITY FOR SCALABLE VIDEO CODING
40	PENDING	EP	EP10170452.6	MULTI-VIEW VIDEO CODING SCHEME BASED ON H.264/AVC
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Patent Information (desired but not required for options 1 and 2; required in ITU for option 3 (NOTE))				
No.	Status [granted/ pending]	Country	Granted Patent Number or Application Number (if pending)	Title
41	PENDING	EP	EP06738487.5	PERFORMANCE IMPROVED 4:4:4 CODING FOR MPEG4-PART10/H.264
42	PENDING	EP	EP06738625.0	PERFORMANCE IMPROVED 4:4:4 CODING FOR MPEG4-PART10/H.264
43	PENDING	EP	EP06770699.4	WEIGHTED PREDICTION IN SCALABLE VIDEO CODING
44	PENDING	EP	EP12151708.0	MULTI-VIEW VIDEO CODING SCHEME BASED ON H.264/AVC
45	PENDING	EP	EP13164580.6	METHOD AND APPARATUS FOR SIGNALING VIEW SCALABILITY IN MULTI-VIEW VIDEO
46	PENDING	EP	EP11188626.3	IMPROVED SIGNALING FOR SEQUENCE PARAMETER SET FOR MULTIVIEW VIDEO CODING
47	PENDING	EP	EP07751734.0	HIGH-LEVEL SYNTAX FOR MULTI VIEW CODING
48				
49				
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Signature (include on final page only):	
Patent Holder	<u>THOMSON LICENSING</u>
Name of authorized person	<u>David W. Herring</u>
Title of authorized person	<u>Director, Licensing and Patent Strategy</u>
Signature	
Place, Date	<u>Princeton, NJ 2017-02-05</u>

