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ALIMUM INTRODUCES OPEN RAN PATENT PORTFOLIO LICENSE

First License to Cover 3GPP Infrastructure Starts with 11 Patent Holders

(CHEVY CHASE, MD, US – 7 June 2022) – Alium, a joint venture between MPEG LA and Unified Patents, today announced the availability of the Open RAN Patent Portfolio License (“Open RAN License” or “License”), the first patent pool to address licensing uncertainty in the RAN (“Radio Access Network”) infrastructure space. Open RAN lowers costs and increases competition, providing network operators with greater control and flexibility in deploying 4G and next generation 5G networks; and accessibility to the essential patents made possible by the Open RAN License supports Open RAN’s adoption.

“Open RAN is a groundbreaking technology ready to blossom and grow with the availability of a pool license offering affordable access, freedom to operate, reduced litigation risk and business certainty for suppliers and users,” said Alium Manager Larry Horn. “With its potential to accelerate Open RAN market adoption and growth, the Alium pool license will help speed 5G adoption and the delivery of 5G services to the public.”

“Alium takes pride in introducing a number of innovative features to the patent licensing landscape,” said Alium Manager Kevin Jakel. “The use of an AI-based tool for determining royalty allocations allows participation at no cost to patent holders and assures the feasibility of a patent pool with tens of thousands of patents that would not otherwise be possible. In addition, Alium provides a patent quality program designed to promote the market’s trust in the Open RAN Standard. We applaud the initial group of technology leaders for their foresight in embarking on this groundbreaking initiative.”

The initial patent owners to Alium’s Open RAN License are Acer Incorporated; AT&T Intellectual Property, LLC; Cable Television Laboratories, Inc.; Comcast Cable Communications, LLC; Godo Kaisha IP Bridge 1; Koninklijke Philips N.V.; Meta Platforms, Inc.; Mitsubishi Electric Corporation; Pantech Corporation (including Pantech Wireless, LLC); SK Telecom Co., Ltd.; and Verizon Patent and Licensing Inc.

The Open RAN Patent Portfolio License and a summary of the License terms may be found [here](https://www.alium-llc.com/about) (<https://www.alium-llc.com/about>).

Alium’s objective is to offer worldwide access to as many Open RAN essential patents as possible to everyone on the same terms under a single license. Therefore, Alium welcomes the participation of any party with at least one patent that is essential to the Open RAN Standard. For more information, please go to <https://www.alium-llc.com/licensors> (<https://www.alium-llc.com/licensors>).

Full news release here (<https://www.mpegla.com/wp-content/uploads/FINAL-Alium-Launch-Prs-Rls-2022-06-07.pdf>).

MPEG LA EXPANDS AVC LICENSE TO INCLUDE COMPLETE MVC COVERAGE

([HTTPS://WWW.MPEGLA.COM/MEDIA-LICENSING-PROGRAMS](https://www.mpegla.com/media/licensing-programs))

([HTTPS://WWW.MPEGLA.COM/MEDIA-LICENSING-PROGRAMS-ARCHIVE/](https://www.mpegla.com/media/licensing-programs/archive/)) [ARCHIVE](#)

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(DENVER, CO, US – 16 March 2022) – MPEG LA, LLC has announced that effective March 16, 2022, its AVC Patent Portfolio License (“AVC License”) has been expanded to provide coverage for the entire Multiview Video Coding (“MVC”) portion of the AVC specifications, including the MVC profiles covered by MPEG LA’s MVC License.

Although coverage has been expanded, the AVC License royalty rates and annual caps remain unchanged.

Full news release here (<https://www.mpegla.com/wp-content/uploads/FINAL-AVC-MVC-Coverage-PrsRls-2022-03-16.pdf>).

MPEG LA INTRODUCES PATENT POOL LICENSE FOR VERSATILE VIDEO CODING (VVC)

Reasonable license terms support market adoption of applications enabled by VVC

(DENVER, CO, US – 27 January 2022) – MPEG LA, LLC today announced the availability of the VVC Patent Portfolio License (“VVC License” or “License”). The joint license includes patents that are essential to the Versatile Video Coding (VVC, also known as H.266 and MPEG-I Part 3) standard.

VVC provides increased compression with significant bitrate reduction, giving consumers enhanced speed and efficiency in products that encode and decode video for Internet, television and mobile transmission, reception and use. VVC is capable of delivering 4K to 8K and higher resolution with High-Definition Television (HDTV), Ultra-High-Definition Television (UHD), High Dynamic Range (HDR) and omnidirectional 360° video.

The initial patent owners to MPEG LA’s VVC License are [bcom](#); British Broadcasting Corporation; Digital Insights Inc.; FG Innovation Company Limited; Hanwha Techwin Co., Ltd.; Koninklijke KPN N.V.; Nippon Hoso Kyokai; Orange; Siemens Corp.; Tagivan II LLC; and Vidyo, Inc.

“We commend these patent owners for stepping up in such a short time to establish this important license embracing all manner of VVC applications with a simplicity that the market can understand, and we welcome all VVC essential patent owners to join them,” said Larry Horn, President and CEO of MPEG LA. “Once again, MPEG LA’s VVC License demonstrates MPEG LA’s continued commitment to striking a balance between patent holders and implementers to make VVC widely available to everyone on the same reasonable, transparent and evenly applied terms consistent with what the market has come to expect of us. Now more than ever, the market for next generation video needs a pool license it can trust.”

The VVC Patent Portfolio License and a summary of the License terms may be obtained [here](https://www.mpegla.com/programs/vvc/license-agreement/) (<https://www.mpegla.com/programs/vvc/license-agreement/>).

MPEG LA’s objective is to offer worldwide access to as many VVC essential patents as possible to everyone on the same terms under a single license. Therefore, MPEG LA welcomes any party that believes it has patents that are essential to the VVC standard to submit them for an evaluation of their essentiality by MPEG LA’s patent experts and inclusion in the License if determined to be essential. Interested VVC patent owners may request a copy of the terms and procedures governing patent submissions [here](https://www.mpegla.com/programs/vvc/licensors/) (<https://www.mpegla.com/programs/vvc/licensors/>).

Full news release here (<https://www.mpegla.com/wp-content/uploads/FINAL-VVC-PPL-PrsRls-2022-01-27.pdf>).

MPEG LA OFFERS ONE-STOP LICENSE FOR ATSC 3.0

License for ATSC 3.0 standard includes essential patents from 13 worldwide organizations

(DENVER, CO, US – 20 January 2022) – MPEG LA, LLC today announced the availability of the ATSC 3.0 Patent Portfolio License (“ATSC 3.0 License” or “License”), providing one-stop access to patents that are essential to the next generation broadcast standard developed by the Advanced Television Systems Committee (ATSC). ATSC 3.0, already available in South Korea and many U.S. television markets, improves the television viewing experience with higher audio and video quality, improved compression efficiency, robust transmission for reception on fixed digital televisions and converter boxes as well as mobile devices, and enhanced accessibility, personalization, interactivity, and advanced emergency alert service capability.

"MPEG LA is proud to continue its role in support of the broadcast industry's next generation terrestrial broadcast system that began with our licenses for the ATSC 1.0 standard and the MPEG-2 video compression standard used in ATSC 1.0," said MPEG LA President and CEO Larry Horn. "As a convenience to ATSC 3.0 implementers and the potential that ATSC 3.0 brings to market, our ATSC 3.0 License will continue MPEG LA's rich and reliable tradition of addressing the market's need for transactional efficiency and predictability in accessing necessary intellectual property rights owned by many different organizations under a single license. We are especially proud to be joined in this effort by leading ATSC 3.0 developers from all over the world."

The initial patent owners to MPEG LA's ATSC 3.0 License are CableTelevision Laboratories, Inc.; Cerinet USA Inc.; Communications Research Centre Canada (CRC), part of Innovation, Science and Economic Development Canada; Dolby Laboratories Licensing Corporation; Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.; Koninklijke KPN N.V.; Koninklijke Philips N.V.; NEC Corporation; Nippon Hoso Kyokai; ONE Media, LLC; Panasonic Corporation; Shanghai National Engineering Research Center of Digital Television Co., Ltd (NERC-DTV); and Sun Patent Trust.

The ATSC 3.0 Patent Portfolio License and a summary of the License terms may be obtained [here](https://www.mpegla.com/programs/atsc-3-0/license-agreement/) (<https://www.mpegla.com/programs/atsc-3-0/license-agreement/>).

MPEG LA's objective is to offer worldwide access to as many ATSC 3.0 essential patents as possible to everyone on the same terms under a single license. Therefore, MPEG LA welcomes any party that believes it has patents that are essential to the ATSC 3.0 standard to submit them for an evaluation of their essentiality by MPEG LA's patent experts and inclusion in the License if determined to be essential. Interested ATSC 3.0 patent owners may request a copy of the terms and procedures governing patent submissions [here](https://www.mpegla.com/programs/atsc-3-0/licensors/) (<https://www.mpegla.com/programs/atsc-3-0/licensors/>).

Full news release here (<https://www.mpegla.com/wp-content/uploads/FINAL-ATSC-3.0-PPL-PrsRls-2022-01-20-.pdf>).

FIRST PATENT POOL FOR 3GPP INFRASTRUCTURE LAUNCHED TO HELP ACCELERATE 5G

(December 6, 2021)

Alium (<https://www.alium-llc.com/>), a joint patent pool venture between **MPEG LA** (<https://www.mpegla.com/>) and **Unified Patents** (<https://www.unifiedpatents.com/>), is supporting the development of **Open RAN** (<https://telecominfraproject.com/>) by providing a solution to the uncertainty and risk posed by the more than **100,000 essential patents already self-declared** (<http://www.unified-consulting.com/views/2021/7/26/5g-submarine-patents>).

Open RAN increases competition in the telecommunications infrastructure space, enabling mobile networks to use different vendors interchangeably, thereby lowering costs. **Support for Open RAN has increased significantly over the last several years** (<https://www.orange.com/en/newsroom/press-releases/2021/europe-urged-act-now-build-open-ran-ecosystem>). Governments around the world (including the **US, India, Japan, Australia** (<https://www.whitehouse.gov/briefing-room/statements-releases/2021/09/24/joint-statement-from-quad-leaders/>) and Germany) have declared the growth of Open RAN solutions to be strategic to their economic and national security.

But for the **Open RAN market to grow to more than 220 million units by 2030** (<https://www.computerweekly.com/news/252490884/Maturing-O-RAN-set-to-have-75-market-share-by-2030>) as projected, the market must address the risk and the patent uncertainty that threatens to slow adoption.

Alium was created to do that by providing a **license of convenience** (<https://www.alium-llc.com/program>) for Radio Unit vendors to help decrease uncertainty in patent licensing fees related to their products while also providing compensation to patent holders for developing the technology.

Alium's program is innovative:

-Offers licenses for 4G / 5G infrastructure

-Uses AI-based landscapes to determine royalty allocation

([https://portal.unifiedpatents.com/standards/opal/5g_ran/v0?](https://portal.unifiedpatents.com/standards/opal/5g_ran/v0?alpha_threshold=34.0795&count_by=pub&pools=Open+Ran+Families)

alpha_threshold=34.0795&count_by=pub&pools=Open+Ran+Families) (see **here** (**<https://www.alium-llc.com/blog/hnybywnf3y9wf1tngjuwif8ybp9w8>**))

-Requires no money from patent holders to participate

-Includes a Patent Quality program to build the integrity of the Open RAN ecosystem by discouraging the assertion of invalid patents

The Alium Open RAN Radio Unit License provides a one-stop solution for vendors to receive a license with leading patent owners in a single transaction at a low per unit cost. Alium is currently signing up leading patent owners to offer the License to the market starting in Q1 2022.

For more information, please go to **<https://www.alium-llc.com/>** (**<https://www.alium-llc.com/>**) or email: **info@alium-llc.com** (**<mailto:info@alium-llc.com>**).

Full announcement here (**<https://www.mpegla.com/wp-content/uploads/Alium-announcement-December-6-2021.pdf>**).

MPEG LA FILES *AMICUS CURIAE* BRIEF IN THE CASE OF *CONTINENTAL AUTOMOTIVE SYSTEMS, INC. V. AVANCI*

(DENVER, CO, US – 27 April 2021) – On April 26, 2021, MPEG LA filed a brief as *amicus curiae* (friend of the court) before the US Court of Appeals for the Fifth Circuit in *Continental Automotive Systems, Inc. v. Avanci*. The brief focuses on MPEG LA's history demonstrating that licensing at the end product level is integral to the structure of modern-day patent pools and the market benefits they provide, and argued that requiring patent pools to license all levels of the supply chain would threaten the viability of patent pools to benefit the market.

The brief may be found **here**. (**<https://www.mpegla.com/wp-content/uploads/2021-04-26-Continental-Amicus-Brief-11918907.pdf>**).

MPEG LA ANNOUNCES DEVELOPMENT OF VVC (VERSATILE VIDEO CODING) POOL LICENSE

VVC expected to improve video compression efficiency and functionality

(DENVER, CO, US – 27 January 2021) – MPEG LA, LLC, the world leader in digital video patent pool licensing for nearly 25 years, announced today the development of a pool license for the next generation video coding standard known as VVC (Versatile Video Coding, also known as H.266 and MPEG-I Part 3) in order to offer the market a convenient one-stop alternative enabling VVC's wide adoption.

VVC has the potential to achieve the same level of perceptual quality as prior video codecs with up to a 50% improvement in video coding efficiency, thereby supporting 4K and 8K Ultra High Definition (UHD) and High Dynamic Range (HDR) video, telemedicine, online gaming, virtual 360° video and adaptive streaming applications.

"MPEG LA congratulates the Media Coding Industry Forum (MC-IF) and its participants for their pool fostering initiative preparing the market for a VVC pool license. MC-IF's work has been of immeasurable benefit, and MPEG LA was pleased to cooperate in that process. Building on MC-IF's work, MPEG LA is moving ahead with the next step listening to, working with and leading MC-IF participants and others to make yet another breakthrough generation of digital video compression technology widely accessible to the market under reasonable, trusted, transparent and non-discriminatory licensing conditions," said Larry Horn, President and CEO of MPEG LA.

"MPEG LA applauds the work of leading technology innovators from around the world whose research and development investments have made VVC possible, and welcomes them to join MPEG LA's license development effort," said Bill Geary, MPEG LA's Vice President of Business Development.

To participate in the initial VVC license development meeting, parties that believe they have patents essential to the VVC standard are invited to submit them to MPEG LA in accordance with the submission procedures at **<https://www.mpegla.com/vvc/>** (**<https://www.mpegla.com/vvc/>**).

Although only issued patents will be included in the license, patent applications with claims that owners believe are essential to the VVC standard and likely to issue in a patent also may be submitted in order to participate in the license development process.

Full news release here (<https://www.mpegla.com/wp-content/uploads/FINAL-VVC-PID-PrsRIs-2021-01-27.pdf>)

MPEG LA ISSUES STATEMENT IN SUPPORT OF MC-IF VVC FOSTERING PROCESS

(DENVER, CO, US – 20 August 2020) – MPEG LA, LLC issued the following statement today:

MPEG LA's track record of independence, trust and transparency with which we have advanced patent pool licensing for nearly a quarter century speaks for itself. We do not retreat from our objective of striking a balance between patent holders and implementers to make video technologies widely available to the market on reasonable terms consistent with competition guidelines. That is who we are; no rebranding is necessary. As difficult as it may be, the goal of a single VVC patent pool license is a desirable one. While we have now learned that one party no longer takes seriously **the Media Coding Industry Forum (MC-IF) process for fostering a single VVC patent pool** (<https://www.mc-if.org/fostrering>), MPEG LA believes the MC-IF process should be given every chance to succeed and be taken seriously by an anxious market wishing for a better way. In that spirit, MPEG LA looks forward with confidence to the opportunity to participate.

Full statement here (<https://www.mpegla.com/wp-content/uploads/FINAL-MPEG-LA-Statement-2020-08-20.pdf>)

MPEG LA INTRODUCES ONE-STOP LICENSE FOR Qi WIRELESS POWER

Initial Patent Owners Include ConvenientPower, GE, Philips, and Robert Bosch

(DENVER, CO, US – 14 January 2020) – MPEG LA, LLC today announced availability of the Qi Wireless Power Patent Portfolio License providing one-stop access to the standard for wireless charging and power transfer known as Qi* developed by the Wireless Power Consortium.

"Just as Qi makes mobile products more mobile by removing wires from wireless devices, MPEG LA is pleased to make Qi technology readily available to the worldwide market on the same terms under an efficient and affordable license," said MPEG LA President and CEO Larry Horn.

The initial patent owners to MPEG LA's Qi Wireless Power Patent Portfolio License are ConvenientPower HK Limited, GE Hybrid Technologies, LLC, Koninklijke Philips N.V., and Robert Bosch GmbH.

"We commend these companies for their foresight, initiative and cooperation in making possible a joint license under their foundational patents for the benefit of the Qi marketplace," said Bill Geary, MPEG LA Vice President, Business Development, "and we welcome other owners of technology covered by the Qi standard to join them in offering one-stop access through MPEG LA's Qi License."

The Qi Wireless Power Patent Portfolio License and a summary of the License terms may be obtained **here** (<https://www.mpegla.com/programs/qi-wireless-power/license-agreement/>).

MPEG LA's objective is to offer worldwide access to as many Qi Wireless Power essential patents as possible to everyone on the same terms under a single license. Therefore, MPEG LA welcomes any party that believes it has patents that are essential to the Qi Wireless Power standard to submit them for an evaluation of their essentiality by MPEG LA's patent experts and inclusion in the License if determined to be essential. Interested Qi Wireless Power patent owners may request a copy of the terms and procedures governing patent submissions **here** (<https://www.mpegla.com/programs/qi-wireless-power/licensors/>).

* The name "Qi" is a registered trademark in many jurisdictions.

Full news release here (<https://www.mpegla.com/wp-content/uploads/FINAL-MPEG-LA-Qi-Wireless-Power-PrsRIs-2020-01-13.pdf>).

Click **here** (<https://www.businesswire.com/news/home/20200115005506/zh-CN/>) for Chinese version of press release

XIAOMI AND MPEG LA ANNOUNCE XIAOMI'S SIGNING OF MPEG LA'S HEVC LICENSE

(DENVER & BEIJING – 9 January 2020) – World intellectual property licensing leader MPEG LA, LLC ("MPEG LA") and leading international supplier of smartphones and other smart products Xiaomi today announced that Xiaomi has become a Licensee to MPEG LA's HEVC Patent Portfolio License ("HEVC License").

MPEG LA's HEVC License enables worldwide access to essential patent rights for the HEVC digital video coding standard (also known as H.265 and MPEG-H Part 2) providing increased speed and efficiency in consumer products that encode and decode video for Internet, television and mobile transmission, reception and use.

"Xiaomi joins some 350 Licensees to MPEG LA's HEVC Patent Portfolio License, further demonstrating the License's wide acceptance as fair and reasonable," said Larry Horn, President and CEO of MPEG LA. "The License's affordable royalty rate and clear, nondiscriminatory terms are the same across all markets worldwide in all products in which HEVC technology is incorporated, and MPEG LA's objective is to include as many HEVC essential patents as possible for the same reasonable royalty rate."

"Significant implementers of HEVC technology like Xiaomi receive offers to join multiple HEVC patent pools. While Xiaomi believes the pool licensing approach *can* be very efficient, multiple patent pools present harmful royalty stacking issues to technology implementers. Therefore, Xiaomi strongly encourages consolidation into one pool that offers a fair and reasonable royalty for the whole HEVC standard," said Paul Lin, Vice President of IP Strategy and Global Business Development of Xiaomi.

Full news release here (<https://www.mpegla.com/wp-content/uploads/FINAL-Xiaomi-MPEG-LA-PrsRls-2020-01-09.pdf>)

MPEG LA ANNOUNCES PEER REVIEWED ARTICLE FEATURED IN *NUCLEIC ACID THERAPEUTICS*

Article details the use of multimeric oligonucleotides to improve intracellular conjugate delivery

(DENVER, CO, US – 2 October 2019) – World technology licensing leader MPEG LA today announced publication of a peer reviewed article in the October 2019 issue of *Nucleic Acid Therapeutics* on MPEG LA's proprietary Increscent Therapeutics™ ligand-directed multiple payload oligonucleotide delivery platform.

"MPEG LA is proud to chart new territory with its development of a technology platform enabling drug developers to use oligonucleotide therapies to address new targets including cancer and those affecting the central nervous system," said MPEG LA President and CEO Larry Horn.

According to principal author and innovator Dr. Jonathan Miles Brown, "the article concludes that delivery of multimeric oligonucleotide therapeutic agents to modulate gene expression or translation using MPEG LA's Increscent Therapeutics™ may be of critical importance for effectively targeting cell/receptor types where ligand affinity, receptor copy number, or internalization rates are insufficient, as well as diseases where knockdowns of multiple genes or pathways are required."

"In a departure from MPEG LA's traditional pool licensing model that revolutionized licensing in the consumer electronics industry, MPEG LA's Increscent Therapeutics™ platform is available for exclusive or nonexclusive licensing to the biopharma industry and poised to unlock and advance new healthcare opportunities," said Kristin Neuman, MPEG LA's Executive Director, Biotechnology Licensing.

An on-line version of the *Nucleic Acid Therapeutics* article "Ligand Conjugated Multimeric siRNAs Enable Enhanced Uptake and Multiplexed Gene Silencing" by Jonathan M. Brown, James E. Dahlman, Kristin K. Neuman, Carla A.H. Prata, Monika C. Krampert, Philipp M. Hadwiger and Hans-Peter Vornlocher may be found [here](https://www.liebertpub.com/doi/10.1089/nat.2019.0782) (<https://www.liebertpub.com/doi/10.1089/nat.2019.0782>).

Additional information about MPEG LA's Increscent Therapeutics™ platform may be found [here](https://www.mpegla.com/programs/increscent-therapeutics/) (<https://www.mpegla.com/programs/increscent-therapeutics/>).

Full news release here (<https://www.mpegla.com/wp-content/uploads/FINAL-Nucleic-Acid-Therapeutics-PrsRls-2019-10-02.pdf>)

MPEG LA ISSUES STATEMENT REGARDING CRISPR PATENT LICENSING

(DENVER, CO, US – 25 July 2019) – In light of questions asked of MPEG LA regarding recent events that include the announcement by The Broad Institute and MilliporeSigma to offer their own CRISPR License ([press release \(https://www.broadinstitute.org/news/broad-institute-and-milliporesigma-announce-crispr-license-framework-encourage-innovation\)](https://www.broadinstitute.org/news/broad-institute-and-milliporesigma-announce-crispr-license-framework-encourage-innovation)), the commencement of a new patent interference proceeding by the US Patent Office set in motion by a series of patent applications filed by The University of California [Interference No. 106,115 \(https://acts.uspto.gov/ifiling/PublicView.jsp?identifier=106115&identifier2=null&tabSel=1&action=filewrapper&replyTo=PublicView.jsp\)](https://acts.uspto.gov/ifiling/PublicView.jsp?identifier=106115&identifier2=null&tabSel=1&action=filewrapper&replyTo=PublicView.jsp), and MilliporeSigma's petition to the US Patent Office to interject itself into that interference proceeding [go to the [USPTO Portal \(https://portal.uspto.gov/pair/PublicPair\)](https://portal.uspto.gov/pair/PublicPair) and insert application number 15/188,911], MPEG LA today issued the following statement:

"MPEG LA believes that to maximize the benefits of CRISPR, the market needs a transparent patent pool option in which all stakeholders participate and the market's confusion and uncertainty concerning the patent landscape can be addressed. Interim steps on which that result may be built can be a positive. Among all the parties involved in CRISPR patent licensing, MPEG LA is unique in its independence and neutrality. We are not aligned with any particular stakeholder. The appointment of an independent and neutral administrator is important to ensuring that a pool is pro-competitive. With our trusted track record and our existing worldwide infrastructure, we stand ready to assist all stakeholders with formation of a CRISPR patent pool that addresses competitive market needs and realities."

Full news release here (<https://www.mpegla.com/wp-content/uploads/FINAL-CRISPR-Statement-PrsRls-2019-07-25-1-1.pdf>)

MPEG LA INTRODUCES ONE-STOP LICENSE FOR EV CHARGING

Initial Patent Owners Include GE, Mitsubishi Heavy Industries, Robert Bosch, and Siemens

(DENVER, CO, US – 29 May 2019) – MPEG LA, LLC today announced the availability of the EV Charging Patent Portfolio License ("EV Charging License" or "License") providing one-stop access to technologies underlying worldwide standards for conductive AC and DC charging, connection, communication and safety used in equipment that provides electric charging in and to electric vehicles. Standards used in China, Europe, India, Japan and the US are included.

"Just as MPEG LA's one-stop licenses addressed the market's need for efficient and affordable access to technologies that introduced ubiquity to the digital video age," said Larry Horn, President and CEO of MPEG LA, "we are pleased to offer efficient and affordable access to innovative technologies in the emerging EV industry that will allow for the wide adoption of interoperable EV charging infrastructure so critical to its deployment."

The initial patent owners to MPEG LA's EV Charging License are GE Hybrid Technologies, LLC; Mitsubishi Heavy Industries, Ltd.; Robert Bosch GmbH; and Siemens AG.

"We commend these companies for their foresight, initiative and cooperation in making possible a joint license for the benefit of the worldwide EV Charging marketplace," said Dan Abraham, MPEG LA Vice President, Science and Business Strategy. "We welcome other owners of EV Charging technology to join them in offering one-stop access to their technologies covered by these standards through MPEG LA's EV Charging License."

The EV Charging License agreement and a summary of the License terms may be obtained [here \(https://www.mpegla.com/programs/ev-charging/license-agreement/\)](https://www.mpegla.com/programs/ev-charging/license-agreement/).

MPEG LA's objective is to offer worldwide access to as much EV Charging essential intellectual property as possible to everyone on the same terms under a single license. Therefore, MPEG LA welcomes any party that believes it has patents that are essential to the EV Charging standard to submit them for an evaluation of their essentiality by MPEG LA's patent experts and inclusion in the License if determined to be essential. Interested EV Charging patent owners may request a copy of the terms and procedures governing patent submissions [here \(https://www.mpegla.com/programs/ev-charging/licensors/\)](https://www.mpegla.com/programs/ev-charging/licensors/).

MPEG LA ANNOUNCES CALL FOR PATENTS ESSENTIAL TO ATSC 3.0

Call for patents is first step in creating a one-stop license

(DENVER, CO, US – 3 August 2017) – World licensing leader MPEG LA, LLC announced today a call for patents essential to ATSC 3.0 standards in order to facilitate, for the convenience of the market, creation of a joint license to the intellectual property of leading ATSC 3.0 developers on which those standards are based.*

ATSC 3.0 is a set of next generation TV standards offering mobile television; enhanced personalization and interactivity including location-specific emergency alerts and consumer-directed advertising; advanced signal and data delivery; efficient spectrum usage; and enhanced video including high dynamic range (HDR), high frame rate (HFR), wide color gamut (WCG) and 4K UHD features. ATSC 3.0 broadcasts are beginning in the Republic of Korea this year, and are expected to begin next year in the US.

“ATSC 3.0 represents a significant technological leap over current ATSC broadcast standards, developed some 20 years ago,” said Larry Horn, President and CEO of MPEG LA. “MPEG LA is pleased to begin the process of creating an efficient one-stop license offering access to key intellectual property rights that will help make ATSC 3.0’s benefits available to consumers without delay.”

To participate in the initial meeting for the creation of a joint ATSC 3.0 License, any party that believes it has patents essential to the ATSC 3.0 standards is invited to submit them to MPEG LA by September 8, 2017. Please visit our [website \(/atsc-3-0/\)](https://www.mpegla.com/atsc-3-0/) for further information regarding submission procedures.

Although only issued patents will be included in the license, patent applications with claims that owners believe are essential to the ATSC 3.0 standards and likely to issue in a patent also may be submitted in order to participate in the license development process.

*ATSC 3.0 standards were developed by the Advanced Television Systems Committee (ATSC). The ATSC and MPEG LA are not affiliated. MPEG LA’s call for patents to facilitate creation of a joint license is in response to market interest in a convenient licensing alternative.

Full news release here (<https://www.mpegla.com/wp-content/uploads/ATSC-3.0-PrsRIs.pdf>)

THE BROAD INSTITUTE OF MIT AND HARVARD AMONG THOSE PARTICIPATING IN MPEG LA’S CRISPR-CAS9 JOINT LICENSING FACILITATION

Patent submissions continue to be accepted

(DENVER, CO, US – 10 July 2017) – World licensing leader MPEG LA, LLC is pleased to announce that key CRISPR patent holders have submitted patents in response to MPEG LA’s [call to participate \(https://www.mpegla.com/wp-content/uploads/CRISPRPatentCallPrsRIs2017-04-25.pdf\)](https://www.mpegla.com/wp-content/uploads/CRISPRPatentCallPrsRIs2017-04-25.pdf) in the creation of a global CRISPR-Cas9 Joint Licensing Platform and that patent submissions continue to be accepted.

“The enthusiastic response to MPEG LA’s patent pool initiative is further evidence of the widely held view that CRISPR is too important to be left at risk of endless patent battles and splintered licensing regimes and that a pool providing one-stop licensing efficiency and predictability to scientists and businesses worldwide represents the best hope to unleash its life-enhancing potential,” said Larry Horn, President and CEO of MPEG LA. “As MPEG LA’s objective is to provide worldwide access to as much CRISPR intellectual property as possible and the market will benefit from the viewpoints of all stakeholders in this voluntary ground floor opportunity to determine CRISPR’s future, the door remains open and additional patent submissions continue to be welcomed.”

Among those who have agreed to participate, MPEG LA welcomes the Broad Institute of MIT and Harvard, which has submitted key CRISPR-Cas9 patents for consideration with joint owners Harvard University, the Massachusetts Institute of Technology, and The Rockefeller University.

"We strongly support making CRISPR technology broadly available," said Issi Rozen, Chief Business Officer of the Broad Institute. "The Broad Institute already licenses CRISPR-Cas9 non-exclusively for all applications, with the exception of human therapeutics, where we have significantly limited the exclusivity. We look forward to working with others to ensure the widest possible access to all key CRISPR intellectual property."

"Regardless of the outcome of the various legal and administrative proceedings in the United States and Europe, many CRISPR patents owned by many different entities will be left standing and multiple licenses will still be necessary," added Kristin Neuman, Executive Director, Biotechnology Licensing at MPEG LA. "Companies performing research and development the world over, including those who currently hold exclusive licenses, will benefit from the transparency of a pool and the ability to license the necessary patents in a single transaction on fair and predictable terms."

Patent holders are encouraged to visit MPEG LA's [**CRISPR \(/crispr/\)**](#) page for the terms and procedures governing submissions and eligibility. At least one eligible patent asset is necessary to participate in the license development process, and eligibility will be determined by MPEG LA at no cost to submitters. Except for confidentiality, participation is without obligation or commitment until such time as an eligible patent holder may decide to join the license.

Full news release here (<https://www.mpegla.com/wp-content/uploads/CRISPRPrsRIs2017-07-10.pdf>)

MPEG LA INTRODUCES LICENSE FOR EVS

EVS delivers unprecedented voice and music quality to mobile phones and other devices

(DENVER, CO, US – 28 June 2017) – MPEG LA, LLC today announced the availability of the EVS Patent Portfolio License providing efficient access to technologies underlying the EVS (Enhanced Voice Services) standard.

Designed to operate ubiquitously over packet-switched mobile and fixed-line communications networks, EVS represents a significant advance for voice and audio compression devices with compression, network capacity and other features that deliver vastly improved high definition quality for both music and voice services. EVS may be used in products such as mobile and landline phones, videoconferencing systems, desktop computers, tablets and connected home voice response systems.

"In an era when smartphones can do virtually anything, voice quality has lagged, but now the much anticipated EVS standard transmits speech of such pure quality that consumers will experience a dramatic leap in sound clarity and efficiency over prior technologies," said Larry Horn, President and CEO of MPEG LA. "MPEG LA is proud to offer a convenient one-stop license to assist with EVS's rapid market adoption, and we applaud the developers of this groundbreaking technology for making it widely accessible on reasonable terms."

Current patent owners include Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.; Nippon Telegraph and Telephone Corporation (NTT); NTT DOCOMO, INC.; Panasonic Corporation; and Telefonaktiebolaget LM Ericsson.

"The license is specially designed for rapid product deployment," said Bill Geary, MPEG LA Vice President of Business Development. "To encourage early stage adoption, it provides for no royalty on the first 50,000 EVS products sold annually, waives the royalty for network devices during the initial term, and requires no up-front fees or annual minimums."

Copies of the EVS license agreement may be **obtained here ([/programs/evs/license-agreement](#))**. A summary of the license terms may be **found here (<https://www.mpegla.com/wp-content/uploads/EVSWeb.pdf>)**.

MPEG LA's objective is to provide worldwide access to as much EVS essential intellectual property as possible for the benefit of the market. Therefore, MPEG LA welcomes any party that believes it has patents that are essential to the EVS standard to submit them for an evaluation of their essentiality by MPEG LA's patent experts and inclusion in the License if determined to be essential. Interested EVS patent owners may request a copy of the terms and procedures governing patent submissions **[here \(/programs/evs/licensors/\)](#)**.

Full news release here (<https://www.mpegla.com/wp-content/uploads/EVSPrsRIs2017-06-28.pdf>)

KRISTIN NEUMAN TO SPEAK ABOUT MPEG LA'S CRISPR POOL LICENSE AT NEWYORKBIO AND AIPLA

(DENVER, CO, US – 10 May 2017) – World licensing leader MPEG LA, LLC today announced that Kristin Neuman, MPEG LA's Executive Director of Biotechnology Licensing, will speak at New York BIO's Annual Meeting on May 11 in New York City and at the American Intellectual Property Law Association (AIPLA) Spring Meeting on May 17 in San Diego. Ms. Neuman will discuss MPEG LA's CRISPR-Cas9 Joint Licensing Platform as the market's best hope to streamline CRISPR licensing giving businesses the predictability they need to unleash CRISPR's full potential.

MPEG LA, whose pioneering pool license model helped assure the success of digital video in the consumer electronics industry with convenient one-stop access to relevant intellectual property, recently invited holders of CRISPR-Cas9 patents to participate in the creation of a global [CRISPR-Cas9 Joint Licensing Program](https://www.mpegla.com/wp-content/uploads/CRISPRPatentCallPrsRls2017-04-25-1.pdf). (<https://www.mpegla.com/wp-content/uploads/CRISPRPatentCallPrsRls2017-04-25-1.pdf>) For information about the CRISPR-Cas9 Joint Licensing Platform, please go to our [CRISPR page \(/crispr\)](#).

Full news release here (<https://www.mpegla.com/wp-content/uploads/KNPanel2017-05-10.pdf>).

MPEG LA INVITES CRISPR-CAS9 PATENTS TO BE POOLED IN A ONE-STOP LICENSE

Accessibility to a multi-user market will maximize CRISPR's life-enhancing potential

(DENVER, CO, US – 25 April 2017) – World licensing leader MPEG LA, LLC today invited holders of CRISPR-Cas9 patents to participate in the creation of a global CRISPR-Cas9 Joint Licensing Platform that will make their groundbreaking technologies widely accessible.

"Pooling the foundational CRISPR patent rights under a single nonexclusive, cost-effective, transparent license will allow the market to focus on the creation of new products and therapies that accelerate and expand CRISPR's deployment," said Larry Horn, MPEG LA President and CEO. "Just as MPEG LA's pioneering efforts to manage licensing overhead and mitigate litigation risk helped assure the success of digital video in the consumer electronics industry, the CRISPR-Cas9 Joint Licensing Platform can do the same for healthcare and other biotechnology industries but with an impact far more profound."

"At the same time, both foundational and other patent owners would be rewarded for their inventions from their fair share of reasonable royalties from the pool and incentivized to develop more," added Kristin Neuman, Executive Director, Biotechnology Licensing at MPEG LA. "As a voluntary market based business solution that balances access with incentive, an independently managed pool offers the best hope for addressing market and public interests in a way that will unleash CRISPR's full potential for the benefit of humanity."

MPEG LA welcomes CRISPR-Cas9 patent holders who would like to participate in this ground floor opportunity to create a Joint Licensing Platform to visit the [CRISPR page \(/crispr/\)](#) for more information, including terms and procedures governing patent submissions and eligibility. At least one eligible patent is necessary to participate in the license development process, and eligibility will be determined by MPEG LA at no cost to submitters. Interested parties are asked to make their initial patent submissions by June 30, 2017. Although submissions will continue to be accepted in order to assure that the joint license includes as much relevant intellectual property as possible for the benefit of the market, those who submit patents by that date and are found eligible will be invited to attend an initial meeting with other eligible patent rights holders to explore the potential for joint terms on which the CRISPR-Cas9 Joint Licensing Platform may be offered. Except for confidentiality, participation is without obligation or commitment, including attendance at future meetings, until such time as an eligible patent holder may decide to join the Joint Licensing Platform.

Full news release here (<https://www.mpegla.com/wp-content/uploads/CRISPRPatentCallPrsRls2017-04-25-2.pdf>)

MPEG LA INITIATIVE TO ADDRESS CRISPR LICENSING

One-stop access will accelerate advances in new medicines, organ transplants and agriculture

(DENVER, CO, US – 6 December 2016) – World licensing leader MPEG LA, LLC announced today an initiative to address the need for an efficient one-stop license alternative around CRISPR, a breakthrough technology that enables cellular DNA to be edited quickly and inexpensively. Some CRISPR patents are currently the subject of an interference

proceeding (No. 106048) (<https://acts.uspto.gov/ifiling/PublicView.jsp?>

[identifier=106048&identifier2=null&tabSel=1&action=filewrapper&replyTo=PublicView.jsp](#)) among various patent holders and applicants before the US Patent and Trademark Office.

“CRISPR’s wide range of potential applications in medicine and agriculture, and the steadily increasing volume of intellectual property in the field, point to the need for a one-stop licensing platform to reduce litigation risk and provide efficiency, transparency and predictability to scientists and businesses worldwide,” said MPEG LA President and CEO Larry Horn. “Our worldwide licensing infrastructure, trusted reputation for independence, experience, impartiality and results with patent pools, and relationships with industry and academia, including life sciences, position MPEG LA to deliver a licensing solution for the life sciences market as it did with digital video for the consumer electronics market.”

“We are mapping the CRISPR Cas-9 patent landscape as a tool for identifying essential patents to be licensed together in a single transaction for various genome engineering applications on a worldwide basis,” said Kristin Neuman, MPEG LA Executive Director of Biotechnology Licensing, “and will incorporate other genomic engineering technologies as they emerge.”

MPEG LA welcomes the participation of the CRISPR community. A mapping reference model defining the license coverage that will free developers to focus on creating quality-of-life enhancing products while compensating inventors is expected to be available soon. Updates may be found on MPEG LA’s [CRISPR page \(/crispr/\)](#). For more information, please email biotech@mpegla.com (<mailto:biotech@mpegla.com?subject=CRISPR>).

[Full news release here \(https://www.mpegla.com/wp-content/uploads/CRISPR-PrsRIs-2016-12-06.pdf\)](https://www.mpegla.com/wp-content/uploads/CRISPR-PrsRIs-2016-12-06.pdf)

MPEG LA RELEASES MPEG-DASH PATENT PORTFOLIO LICENSE

DASH is the first international standardized adaptive bit-rate HTTP-based streaming solution

(DENVER, CO, US – 17 November 2016) – MPEG LA, LLC announced today the availability of the MPEG-DASH (“DASH”) Patent Portfolio License. The joint license includes patents that are essential to the MPEG Dynamic Adaptive Streaming over HTTP (DASH) standard, which enables high quality streaming of media content over HTTP to be dynamically adapted to changing network conditions to provide smooth, high quality playback of video and other content without stalls or re-buffering events.

The DASH standard is used in products such as mobile phones, tablets, televisions, set-top boxes, computers, digital/personal video recorders, optical disc players or recorders, game consoles and software.

Current DASH essential patent holders include Amotech Co., Ltd.; AVerMedia Technologies, Inc.; CableTelevision Laboratories, Inc.; Electronics and Telecommunications Research Institute; Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.; Hitachi Maxell, Ltd.; Nippon Telegraph and Telephone Corporation; Siemens AG; SK Planet Co., Ltd.; and The Trustees of Columbia University in the City of New York.

“As DASH implementation kicks into high gear throughout the world, MPEG LA is pleased to offer to the marketplace a convenient, fair and efficient licensing alternative that offers everyone reasonable access to this valuable breakthrough technology on the same terms under a single license,” said MPEG LA President and CEO Larry Horn. “We commend the hard work and cooperation of the patent holders that have agreed to offer a joint license for the benefit of the DASH marketplace,” said Bill Geary, Vice President of Business Development at MPEG LA, “and we welcome other DASH essential patent owners to join them.”

Copies of the DASH license agreement may be obtained [here \(/programs/dash/license-agreement\)](#). A summary of the license terms may be found [here \(https://www.mpegla.com/wp-content/uploads/DASHWeb.pdf\)](https://www.mpegla.com/wp-content/uploads/DASHWeb.pdf).

MPEG LA’s objective is to provide worldwide access to as much DASH essential intellectual property as possible. Therefore, MPEG LA welcomes any party that believes it has patents that are essential to the DASH Standard to submit them for an evaluation of their essentiality by MPEG LA’s patent experts and inclusion in the License if determined to be essential. Interested parties may request a copy of the terms and procedures governing patent submissions [here \(/programs/dash/licensors/\)](#).

MPEG LA EXPANDS DISPLAYPORT LICENSE COVERAGE

Corrected August 8, 2016

(DENVER, CO, US – 8 August 2016) – MPEG LA, LLC has announced that coverage of its DisplayPort Patent Portfolio License was recently expanded to include VESA DisplayPort Alt Mode Standard, Version 1, September 22, 2014 and VESA DisplayPort Alt Mode Standard, Version 1.0a, August 10, 2015.

As a result of this expansion, the DisplayPort Patent Portfolio License now includes coverage for

- VESA DisplayPort Standard, Version 1, May 1, 2006
- VESA DisplayPort Standard, Version 1.1, March 19, 2007
- VESA DisplayPort Standard, Version 1, Revision 1a, January 11, 2008
- VESA DisplayPort Standard, Version 1, Revision 2, January 5, 2010
- VESA DisplayPort Standard, Version 1, Revision 2a, May 23, 2012
- VESA DisplayPort Standard, Version 1.3, September 2014
- VESA DisplayPort Standard, Version 1.4, March 2016
- VESA Mini DisplayPort (mDP) Connector Standard, Version 1, October 26, 2009
- VESA Embedded DisplayPort (eDP), Version 1, December 22, 2008
- VESA Embedded DisplayPort (eDP) Standard, Version 1.1, October 23, 2009
- VESA Embedded DisplayPort (eDP) Standard, Version 1.2, May 5, 2010
- VESA Embedded DisplayPort (eDP) Standard, Version 1.3, January 13, 2011
- VESA Embedded DisplayPort (eDP), Version 1.4, February 2013
- VESA Embedded DisplayPort (eDP) Standard, Version 1.4a, February 2015
- VESA Internal DisplayPort (iDP), Version 1.0a, April 2011
- VESA Internal DisplayPort (iDP), Version 1, April 2010
- VESA Mobility DisplayPort (MyDP), Version 1, May 2012
- VESA DockPort, Version 1, May 2014
- VESA DisplayPort Dual-Mode (DP++) Standard, Version 1, February 10, 2012
- VESA DisplayPort Dual-Mode (DP++) Standard, Version 1.1, February 8, 2013
- VESA Embedded DisplayPort (eDP) Standard, v1.4b, October 23, 2015
- VESA DisplayPort Alt Mode Standard, Version 1, September 22, 2014
- VESA DisplayPort Alt Mode Standard, Version 1.0a, August 10, 2015

The DisplayPort Patent Portfolio License is offered for the convenience of DisplayPort users enabling them to obtain coverage under essential patents owned by multiple patent holders in a single license as an alternative to negotiating separate licenses. Interested parties may request a copy of the License [here. \(/programs/displayport/license-agreement\)](#)

MPEG LA's objective is to provide worldwide access to as much DisplayPort essential intellectual property as possible for the benefit of licensees. Any party that believes it has a patent which is essential to the DisplayPort standard is welcome to submit its patent(s) for an evaluation of essentiality by MPEG LA's patent experts and inclusion in the License if determined to be essential. Interested parties may request a copy of the terms and procedures governing patent submissions by going [here \(/programs/displayport/licensors/\)](#).

Current patent holders to MPEG LA's DisplayPort Patent Portfolio License include Hitachi Maxell, Ltd.; Koninklijke Philips N.V.; Lattice Semiconductor Corporation; Rambus Inc.; and Sony Corporation.

Full news release here (<https://www.mpegla.com/wp-content/uploads/DisplayPort-License-Coverage-PrsRls-2016-08-08.pdf>)

MPEG LA EXPANDS HEVC LICENSE COVERAGE

(DENVER, CO, US – 25 April 2016) – MPEG LA, LLC has announced that the coverage of its HEVC Patent Portfolio License has been updated to conform with recent revisions to the HEVC standard as defined in Recommendation ITU-T H.265 v3 (4/2015). In addition to the coverage earlier provided to Licensees, the License has been expanded to provide coverage for the 3D Main profile. The current royalty rates remain unchanged.

The HEVC Patent Portfolio License, introduced on September 29, 2014, is offered for the convenience of HEVC users enabling them to obtain coverage under essential patents owned by multiple patent holders in a single license as an alternative to negotiating separate licenses. Interested parties may request a copy of the License [here](#) (</programs/hevc/license-agreement>).

MPEG LA's objective is to provide worldwide access to as much HEVC essential intellectual property as possible for the benefit of licensees. Any party that believes it has a patent which is essential to the HEVC standard as defined in Recommendation ITU-T H.265 v3 (4/2015) is welcome to submit its patent(s) for an evaluation of essentiality by MPEG LA's patent experts and inclusion in the License if determined to be essential. Interested parties may request a copy of the terms and procedures governing patent submissions by going [here](#) (</programs/hevc/licensors/>).

Current patent holders to MPEG LA's HEVC Patent Portfolio License include Apple Inc.; British Broadcasting Corporation (BBC); Electronics and Telecommunications Research Institute (ETRI); Fujitsu Limited; Hitachi Maxell, Ltd.; HUMAX Co., Ltd.; IBEX PT Holdings; Industry – Academy Cooperation Foundation of Sejong University; Infobridge Pte. Ltd.; Intellectual Discovery Co., LTD.; JVC KENWOOD Corporation; Korea Advanced Institute of Science and Technology (KAIST); Korean Broadcasting System (KBS); KT Corp.; Kwangwoon University Industry – Academic Collaboration Foundation; M&K Holdings Inc.; NEC Corporation; NEWRACOM, Inc.; Nippon Hoso Kyokai (NHK); Nippon Telegraph and Telephone Corporation (NTT); NTT DOCOMO, INC.; Orange SA; Samsung Electronics Co., Ltd.; Siemens Corp.; SK Planet Co., Ltd.; SK Telecom; SungKyunkwan University Research & Business Foundation; Tagivan II, LLC; The Trustees of Columbia University in the City of New York; University – Industry Cooperation Foundation of Korea Aerospace University; University – Industry Cooperation Group of Kyung Hee University; and Vidyo, Inc.

Full news release here (<https://www.mpegla.com/wp-content/uploads/MPEG-LA-Expands-HEVC-License-Coverage-.pdf>)

MPEG LA EXPANDS DISPLAYPORT LICENSE COVERAGE

(DENVER, CO, US – 25 April 2016) – MPEG LA, LLC has announced that coverage of its DisplayPort Patent Portfolio License was recently updated to include the latest DisplayPort standard specification, VESA DisplayPort Standard, Version 1.4, March 2016.

The DisplayPort Patent Portfolio License is offered for the convenience of DisplayPort users enabling them to obtain coverage under essential patents owned by multiple patent holders in a single license as an alternative to negotiating separate licenses. Interested parties may request a copy of the License [here](#) (</programs/displayport/license-agreement>).

MPEG LA's objective is to provide worldwide access to as much DisplayPort essential intellectual property as possible for the benefit of licensees. Any party that believes it has a patent which is essential to the DisplayPort standard is welcome to submit its patent(s) for an evaluation of essentiality by MPEG LA's patent experts and inclusion in the License if determined to be essential. Interested parties may request a copy of the terms and procedures governing patent submissions by going [here](#) (</programs/displayport/licensors/>).

Current patent holders to MPEG LA's DisplayPort Patent Portfolio License include Hitachi Maxell, Ltd.; Koninklijke Philips N.V.; Lattice Semiconductor Corporation; Rambus Inc.; and Sony Corporation.

Full news release here (<https://www.mpegla.com/wp-content/uploads/MPEG-LA-Expands-DisplayPort-License-Coverage.pdf>)

MPEG LA FACILITATING DEVELOPMENT OF ENHANCED VOICE SERVICES PATENT POOL LICENSE

EVS offers high definition voice, audio, and music services at reduced bandwidth

(DENVER, CO, US – 20 January 2016) – MPEG LA announced today that in response to market demand, a number of companies responsible for developing the Enhanced Voice Services (EVS) codec for the 3GPP's 4G LTE standard have been meeting, with MPEG LA's assistance, to decide the terms of a worldwide license offering one-stop access to coverage under their essential EVS patents as a convenient alternative to negotiating separate licenses with individual patent owners.

Designed to operate ubiquitously over 3G and 4G mobile and fixed-line communications networks, EVS enables vastly improved high definition voice quality at reduced bandwidth, increased network capacity and advanced features for music, audio and voice services.

The participating companies have made progress toward reaching agreement on terms of a joint patent license giving implementers the opportunity to reduce uncertainty in planning for the deployment of EVS. They expect to be able to offer a joint patent license to the market covering various EVS product applications, such as EVS on mobile devices for general voice communication over LTE (VoLTE) and 3rd generation circuit switched mobile networks, including Mission Critical Push to Talk (MCPTT) and others.

The group plans to provide more information about the license. Among terms under discussion are those that would make the technology accessible to early stage adopters and both high and low volume users.

Participants in the group include many of the world's communications technology leaders in voice and audio compression.

For more information, please email info@mpegla.com (<mailto:info@mpegla.com>).

Full news release here (<https://www.mpegla.com/wp-content/uploads/n-16-01-20.pdf>).

MPEG LA ANNOUNCES CALL FOR PATENTS TO ORGANIZE JOINT LICENSE FOR MPEG-DASH (DYNAMIC ADAPTIVE STREAMING OVER HTTP)

DASH reduces audio and video interruptions over mobile networks and the Internet

(DENVER, CO, US – 27 July 2015) – World licensing leader MPEG LA, LLC today announced a call for patents essential to the MPEG Dynamic Adaptive Streaming over HTTP (DASH) standards for the purpose of offering the market efficient access to this important technology. Currently used in leading content delivery platforms, DASH adaptively streams audio and video content enabling continuous viewing without freezing or stuttering.

"Market adoption of DASH technology standards has increased to the point where the market would benefit from the availability of a convenient nondiscriminatory, nonexclusive worldwide one-stop patent pool license," said MPEG LA President and CEO Larry Horn. "We invite all patent holders to participate."

To participate in the initial meeting for the creation of a joint DASH License, any party that believes it has patents that are essential to the DASH standards is invited to submit them for evaluation of essentiality by September 9, 2015.

Please visit the **DASH Page** (<https://www.mpegla.com/programs/dash/>) for further information.

Full news release here (<https://www.mpegla.com/wp-content/uploads/FINAL-DASH-PrsRls-2015-07-27.pdf>).

MPEG LA EXPANDS AVC LICENSE COVERAGE

(DENVER, CO, US – 14 July 2015) – MPEG LA, LLC has announced that coverage of its AVC Patent Portfolio License was updated on May 15, 2015, to be consistent with the latest AVC Standard specification.

Click [here \(/programs/avc-h-264/license-agreement\)](https://www.mpegla.com/programs/avc-h-264/license-agreement) to view the AVC License Agreement.

The AVC Patent Portfolio License is offered for the convenience of AVC users enabling them to obtain coverage under essential patents owned by multiple patent holders in a single license as an alternative to negotiating separate licenses. MPEG LA's objective is to provide worldwide access to as much AVC essential intellectual property as possible for the benefit of licensees. Any party that believes it has a patent which is essential to the AVC standard and would like to participate in the AVC Patent Portfolio License is welcome to submit its patent(s) for an evaluation of

essentiality by MPEG LA's patent experts and inclusion in the License if determined to be essential. Interested parties may request a copy of the terms and procedures governing patent submissions by going [here \(/programs/avc-h-264/licensors/\)](https://www.mpegla.com/wp-content/uploads/n-15-07-14.pdf).

Current patent holders to MPEG LA's AVC Patent Portfolio License include Apple Inc.; CableTelevision Laboratories, Inc.; Cisco Systems Canada Co.; Cisco Technology, Inc.; Dolby International AB; Dolby Laboratories Licensing Corporation; Electronics and Telecommunications Research Institute; Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.; Fujitsu Limited; GE Video Compression, LLC; Godo Kaisha IP Bridge1; Hewlett-Packard Company; Hitachi Maxell, Ltd.; JVC KENWOOD Corporation; Koninklijke Philips N.V.; LG Electronics Inc.; Microsoft Corporation; Mitsubishi Electric Corporation; NEWRACOM, Inc.; NTT DOCOMO, INC.; Nippon Telegraph and Telephone Corporation; Orange SA; Panasonic Corporation; Polycom, Inc.; Robert Bosch GmbH; Samsung Electronics Co., Ltd.; Sharp Corporation; Siemens AG; Sony Corporation; Tagivan II, LLC; Telefonaktiebolaget LM Ericsson; The Trustees of Columbia University in the City of New York; Toshiba Corporation; Vidyo, Inc.; and ZTE Corporation.

Full news release here (<https://www.mpegla.com/wp-content/uploads/n-15-07-14.pdf>)

LARRY HORN OF MPEG LA TO PRESENT AT NEWYORKBIO 25TH ANNIVERSARY CONFERENCE ON MAY 5

(DENVER, CO, US – 4 May 2015) – MPEG LA, LLC today announced that President and CEO Larry Horn will speak at the NewYorkBIO 25th Anniversary Conference on May 5 in a session entitled “Strategic IP Management of Biomarker and Diagnostic Technologies” to be held at 10 on the Park at the Time Warner Center in New York City.

In pointing to the role MPEG LA's licensing model has played in providing access, incentive, predictability and innovation around the market's technology choices, Mr. Horn will discuss how changes in the legal environment surrounding intellectual property may have a negative, long-term impact on access and innovation critical to personalized medicine and other emerging technologies.

Full news release here (<https://www.mpegla.com/wp-content/uploads/n-15-05-04.pdf>)

MPEG LA EXPANDS HEVC LICENSE COVERAGE

Additional HEVC Standard Profiles Now Included

(DENVER, CO, US – 19 March 2015) – MPEG LA, LLC has announced that the coverage of its HEVC Patent Portfolio License has been updated to conform with recent revisions to the HEVC standard as defined in Recommendation ITU-T H.265 v2 (10/2014) ([click here to see the HEVC License Agreement \(/programs/hevc/license-agreement\)](https://www.mpegla.com/wp-content/uploads/n-14-09-29.pdf)).

As a result of the update, the profiles covered by the HEVC Patent Portfolio License now include

- Main profile
- Main 10 profile
- Main Still Picture profile
- Multiview profile: Multiview Main
- Scalable profiles: Scalable Main and Scalable Main 10
- Format range extensions profiles: Monochrome, Monochrome 12, Monochrome 16, Main 12, Main 4:2:2 10, Main 4:2:2 12, Main 4:4:4, Main 4:4:4 10, Main 4:4:4 12, Main Intra, Main 10 Intra, Main 12 Intra, Main 4:2:2 10 Intra, Main 4:2:2 12 Intra, Main 4:4:4 Intra, Main 4:4:4 10 Intra, Main 4:4:4 12 Intra, Main 4:4:4 16 Intra, Main 4:4:4 Still Picture and Main 4:4:4 16 Still Picture
- Format range extensions high throughput profile: High Throughput 4:4:4 16 Intra

The current royalty rates that apply to products which use one or more HEVC profiles remain unchanged.

The **HEVC Patent Portfolio License** (<https://www.mpegla.com/wp-content/uploads/n-14-09-29.pdf>), introduced on September 29, 2014 and available [here \(/programs/hevc/license-agreement\)](https://www.mpegla.com/wp-content/uploads/n-14-09-29.pdf), is offered for the convenience of HEVC users enabling them to obtain coverage under essential patents owned by multiple patent holders in a single license as an alternative to negotiating separate licenses. MPEG LA's objective is to provide worldwide access to as much HEVC essential intellectual property as possible for the benefit of licensees. Any party that believes it has a patent which is essential to the HEVC standard as defined in Recommendation ITU-T H.265 v2 (10/2014) and would like to

participate in the HEVC Patent Portfolio License is welcome to submit its patent(s) for an evaluation of essentiality by MPEG LA's patent experts and inclusion in the License if determined to be essential. Interested parties may request a copy of the terms and procedures governing patent submissions by going [here \(/programs/hevc/licensors/\)](https://www.mpegla.com/wp-content/uploads/n-15-03-19.pdf).

Current patent holders to MPEG LA's HEVC Patent Portfolio License include Apple Inc.; Electronics and Telecommunications Research Institute; Fujitsu Limited; Hitachi Maxell, Ltd.; HUMAX Holdings Co., Ltd.; IBEX PT Holdings; Industry – Academy Cooperation Foundation of Sejong University; Intellectual Discovery Co., LTD.; JVC KENWOOD Corporation; Korea Advanced Institute of Science and Technology; Korean Broadcasting System; KT Corp.; Kwangwoon University Industry – Academic Collaboration Foundation; M&K Holdings Inc.; NEC Corporation; NEWRACOM, Inc.; Nippon Hoso Kyokai; Nippon Telegraph and Telephone Corporation; NTT DOCOMO, INC.; Orange SA; Samsung Electronics Co., Ltd.; Siemens Corp.; SK Telecom; Tagivan II, LLC; The Trustees of Columbia University in the City of New York; University – Industry Cooperation Group of Kyung Hee University; and Vidyo, Inc.

Full news release here (<https://www.mpegla.com/wp-content/uploads/n-15-03-19.pdf>)

MPEG LA INTRODUCES LICENSE FOR DISPLAYPORT

License Initially Covers Technologies Owned By Hitachi Maxell, Philips, Silicon Image and Sony

(DENVER, CO, US – 5 March 2015) – MPEG LA, LLC today announced the availability of the DisplayPort Patent Portfolio License. The DisplayPort License provides coverage for a variety of digital interface technology standards used in connecting audio/video sources among products such as computer monitors, video projectors, televisions, adaptors, personal computers, graphic cards, motherboards, storage devices, smartphones, tablets, flat panel displays and cameras.

“Once again, MPEG LA is proud to be part of the solution,” said MPEG LA President and CEO Larry Horn. “Like MPEG LA's other licenses, our license for DisplayPort gives product suppliers convenient access to important technologies under a single patent license enabling them to focus their resources on innovation and new product creation instead of protracted licensing and litigation. It is the marketplace at work.”

Initial DisplayPort technology owners include Hitachi Maxell, Ltd.; Koninklijke Philips N.V.; Silicon Image, Inc.; and Sony Corporation.

Copies of the DisplayPort Patent Portfolio License agreement may be obtained at [here \(/programs/displayport/license-agreement\)](https://www.mpegla.com/wp-content/uploads/n-15-03-05.pdf). A summary of the license terms is attached.

MPEG LA welcomes any party that believes it has patents that are essential to the DisplayPort standard to submit them for an evaluation of their essentiality by MPEG LA's patent experts and inclusion in the License if determined to be essential. Interested parties may request a copy of the terms and procedures governing patent submissions [here \(/programs/displayport/\)](https://www.mpegla.com/wp-content/uploads/n-15-03-05.pdf). MPEG LA's objective is to provide worldwide access to as much DisplayPort essential intellectual property as possible for the benefit of licensees (new patent holders and essential patents may be added at no additional royalty during the current term of the License).

Full news release here (<https://www.mpegla.com/wp-content/uploads/n-15-03-05.pdf>)

MPEG LA OFFERS HEVC PATENT PORTFOLIO LICENSE

License for High Efficiency Video Coding Standard with Patents from 23 Enterprises Is MPEG LA's Latest

(DENVER, CO, US – 29 September 2014) – MPEG LA, LLC today announced the availability of the HEVC Patent Portfolio License (“HEVC License”). The joint license includes patents that are essential to the High Efficiency Video Coding standard (HEVC, also known as H.265 and MPEG-H Part 2) designed to improve video coding and transmission efficiency for the benefit of Internet, television, and mobile service providers and consumers with increased speed and capacity. HEVC is also expected to deliver next generation higher resolution HDTV video by broadcast, streaming, download, and 4K Blu-ray™ for 4K and 8K Ultra High Definition TV.

“The market is ready for an HEVC License,” said MPEG LA President and CEO Larry Horn, “and MPEG LA is proud to offer one. We applaud the cooperation and hard work of HEVC patent owners to make this important technology available through an efficient licensing alternative.”

"The HEVC License is yet another example of the role the MPEG LA® Licensing Model plays in making licenses available on reasonable terms under standard-essential patents (SEPs) for emerging technologies," added Bill Geary, Vice President of Business Development at MPEG LA.

Copies and a summary of the HEVC license agreement may be obtained [here \(/programs/hevc/license-agreement/\)](/programs/hevc/license-agreement/).

The License currently includes essential HEVC patents owned by the following 23 enterprises:

Apple Inc.
Electronics and Telecommunications Research Institute (ETRI)
Fujitsu Limited
Hitachi Maxell, Ltd.
HUMAX Holdings Co., Ltd.
Intellectual Discovery Co., LTD.
JVC KENWOOD Corporation
Korea Advanced Institute of Science and Technology (KAIST)
Korean Broadcasting System (KBS)
KT Corp.
M&K Holdings Inc.
NEC Corporation
Newratek, Inc.
Nippon Hoso Kyokai (NHK)
Nippon Telegraph and Telephone Corporation (NTT)
NTT DOCOMO, INC.
Orange SA
Samsung Electronics Co., Ltd.
Siemens Corp.
SK Telecom
Tagivan II, LLC
The Trustees of Columbia University in the City of New York
Vidyo, Inc.

MPEG LA's objective is to provide worldwide access to as much HEVC essential intellectual property as possible. Therefore, MPEG LA welcomes any party that believes it has patents that are essential to the HEVC standard to submit them for an evaluation of their essentiality by MPEG LA's patent experts and inclusion in the License if determined to be essential. Interested parties may request a copy of the terms and procedures governing patent submissions [here \(/programs/hevc/licensors/\)](/programs/hevc/licensors/).

Full news release here (<https://www.mpegla.com/wp-content/uploads/n-14-09-29.pdf>)

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