

**TV/STB Patent-portfolio (1-1-2023)**

Grant	Title	Classification	Expiry date
EP1956468	UI FOR CONTROLLING THE DISPLAYING OF LONG SORTED L	Interactivity/UI	7-1-2023
EP1472878	ATTACHING SEMANTICS TO A TV ANYTIME CRID	TV/STB	14-1-2023
EP1472850	IP TUNNEL FOR REMAINING IP ADDRESS DURING HANDOV	WiFi	23-1-2023
EP1483924	REVERSE TRANSMISSION SIGNALLING FOR LOW POWER W	WiFi	5-2-2023
EP1488299	URL-PREVIEWING FOR WEB-BROWSING	Interactivity/UI	6-2-2023
EP1486061	FREEZE BANNER	Interactivity/UI	12-2-2023
DE60313591.9	FAST CHANNEL SWITCHING FOR IEEE 802.11 WLANs	WiFi	19-2-2023
EP1486073	METHOD AND APPARATUS FOR CREATING A PERSONALIZE	Interactivity/UI	21-2-2023
EP1486038	MEASUREMENT/QUIET REQUEST FOR DFS IN 802.11h	WiFi	7-3-2023
EP1486016	IEEE 802.11 INTERNAL SIGNALING FOR CLOCK SYNCHRONI	WiFi	7-3-2023
EP1486041	PERFORMING FAST CHANNEL SWITCHING IN AN 802.11 W	WiFi	11-3-2023
EP1500075	fast boosting BACKLIGHT SWITCHING	TV/STB	11-3-2023
EP1500063	CONTEXT-SENSITIVE INTEGRATED REMOTE CONTROL	Interactivity/UI	21-3-2023
EP1500082	INTERCHANNEL LEVEL DIFF IN DECORRELATION MATRIX	Audio/Video	22-4-2023
EP1516158	SERVICE FINDER	Interactivity/UI	4-6-2023
EP1527586	DISTANCE MEASUREMENT USING SECRET ALSO AUTHENTI	Content Protection	27-6-2023
EP1973297	DISTANCE MEASUREMENT USING SECRET ALSO AUTHENTI	Content Protection	27-6-2023
DE60312168.3	WIRELESS LAN LOCAL POSITION METHOD	WiFi	16-7-2023
EP1532611	LED DRIVER WITH AUTOMATIC POWER CONTROL	OLED	18-7-2023
EP1532687	Source Gated Transistor	OLED	29-7-2023
EP1550254	CHANNEL CODING FOR OSIC	WiFi	8-8-2023
EP1540982	FREQUENCY HOPPING IN WLAN VIA DYNAMIC FREQUENCY	WiFi	13-8-2023
DE60321189.5	METHOD TO ANNOUNCE PENDING QOS SCHEDULE ELEME	WiFi	2-9-2023
EP1537758	QOS SERVICE AGREEMENT AND BANDWIDTH ALLOCATION	WiFi	2-9-2023
EP1550285	VERIFYING THE LOCALITY of a node	Content Protection	22-9-2023
EP1547372	MULTIVIDEO STREAMS WITH PIP	TV/STB	25-9-2023
DE60322564.0	SCHEDULING ALGORITHM FOR 802.11 WLAN	WiFi	10-10-2023
EP1563681	RECOMMENDER THAT LEARNS BY TRIAL	Interactivity/UI	15-10-2023
EP1573969	IEEE 802.11E MAC SIGNALING TO SUPPORT...	WiFi	27-10-2023
EP1573537	PULL SCHEDULING OF SOFTWARE COMPONENTS	TV/STB	31-10-2023
EP1573938	DIVERSITY RECEIVER HAVING CROSS COUPLED CHANNEL E	WiFi	6-11-2023
EP1570620	PACKETIZATION OF LAYERED BITSTREAM.	TV/STB	28-11-2023
EP1576768	EXTERNAL WIRELESS ACCESS METHOD CO-ORDINATION	WiFi	5-12-2023
EP1597613	LOCALLY TRANSPARENT MIRROR WITH DISPLAY	TV/STB	9-2-2024
EP1604491	SCHEDULE ELEMENT BASED ON TDMA;	WiFi	5-3-2024
EP1623313	DIGITAL CROSS CAPACITANCE SENSING METHOD	Interactivity/UI	28-4-2024
EP1625698	IEEE 802.11 H AND K MEASUREMENT REPORT...	WiFi	3-5-2024
EP1625699	IEEE 802.11 H AND K MEASUREMENT...	WiFi	3-5-2024
EP1627390	CONTENT SELECTION HISTORY FOR PORTABLE STORAGE DI	Interactivity/UI	5-5-2024
EP1636948	METHOD TO INCREASE THROUGHOUT EFFICIENCY VIA...	WiFi	10-6-2024
EP1642417	EMBEDDING A UPNP AV MEDIASERVER OBJECT ID IN A URI	TV/STB	28-6-2024
EP1644934	LINKING APPLICATIONS TO STREAMS FOR ACCESS CONTRO	Interactivity/UI	30-6-2024
EP1652025	HYBRID PERSON/DEVICE BASED AUTHORIZED DOMAIN	Content Protection	14-7-2024
EP1654634	TWO DIMENSIONAL DYNAMIC SCROLL BEHAVIOUR	Interactivity/UI	30-7-2024
EP1654868	LCN (LOGICAL CHANNEL NUMBER) SORTING.	TV/STB	4-8-2024
EP1683211	OLED with hole blocking layer	OLED	19-10-2024
EP1685712	TWO-STEP COMMERCIAL RECOMMENDATION.	Interactivity/UI	8-11-2024
EP2894929	Method for access to a medium by a multi-channel device.	WiFi	10-11-2024
EP1685679	CONSISTENT USER INTEFACE FRONT END FOR REMOTE...	Interactivity/UI	11-11-2024

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EP2284645	DEVICES WITHIN RANGE CAN ACCESS CONTENT	Content Protection	19-11-2024
EP1698149	METHOD AND DEVICE FOR PLAYING CONTENT BASED ON E	Interactivity/UI	2-12-2024
EP1733372	LCD WITH DYNAMIC CONTRAST+BACKLIGHT MODULATION	TV/STB	15-3-2025
EP1762020	DISTRIBUTED RESERVATION PROTOCOL FOR IEEE 802.11N	WiFi	10-6-2025
EP1792268	CARROUSELS FOR ENABLING TO CONTROL AT LEAST ONE M	Interactivity/UI	8-9-2025
EP1810481	TEMPORARY PERSON-BASED ACCESS TO DEVICE-BASED AD	Content Protection	28-10-2025
EP1815671	RESOLVING NON-UNIQUE CRID WITH VALIDITY INTERVALS	Interactivity/UI	11-11-2025
EP1844462	ENHANCING LUMINANCE OF RGBW DISPLAY BY DESATURA	High Dynamic Range Vic	19-1-2026
EP1844578	MEASURING & MONITORING AOS IN SERVICE DIFFERENTIA	WiFi	20-1-2026
EP1859616	MULTIPLE USER CONTROL OF A DOWNLOADABLE APPLICA	Interactivity/UI	2-3-2026
EP1891548	A measure of the percussiveness of general audio signals fr	Audio/Video	30-5-2026
EP1897368	Video and graphics (subtitles) planes shifting on video play	TV/STB	16-6-2026
EP1900167	A Handshaking Method for OFDM Systems with Time Varyi	WiFi	27-6-2026
EP1922862	User-Optimal lightness balancing: desirable feature for digi	High Dynamic Range Vic	16-8-2026
EP1964260	combined "recently played" / "follow-me" mechanism	Interactivity/UI	21-9-2026
EP1941486	Feature correlations as second-order features	Audio/Video	16-10-2026
EP2192783	Adaptive coding of the prediction error in hybrid video cod	Audio/Video	22-12-2026
EP2950543	Adaptive coding of the prediction error in hybrid video cod	Audio/Video	22-12-2026
EP2950544	Adaptive coding of the prediction error in hybrid video cod	Audio/Video	22-12-2026
EP1982524	Adaptive coding of the prediction error in hybrid video cod	Audio/Video	22-12-2026
EP1987539	The double OLED	OLED	7-2-2027
EP2036092	One button audio navigation	Interactivity/UI	21-6-2027
EP2055048	CEC address resolution on 'decoupled' links	TV/STB	14-8-2027
EP2055149	White and colour tuneable OLED Devices	OLED	14-8-2027
EP2067138	Transmission of down-mix level parameters from object-or	Audio/Video	17-9-2027
EP2082391	Power reduction in a matrix LED backlight	TV/STB	2-11-2027
EP2084899	Inter-TS zapping method for TV channel browsing on mobil	TV/STB	13-11-2027
EP2095445	Package for flexible OLED	OLED	12-12-2027
EP2106675	Inrush current limitation for OLEDs	OLED	17-1-2028
EP2206176	Flexible and invisible OLED patterning	OLED	27-2-2028
EP2135307	Glare prevention and light direction for OLEDs	OLED	31-3-2028
EP2168118	Drive concept for local dimming and boosting in a 2D-LED t	TV/STB	4-6-2028
EP2176798	Geographically triggered A/V streams	TV/STB	7-7-2028
EP2198664	MU-MIMO in IEEE 802.11 WLANs	WiFi	26-8-2028
EP2212880	Power-saving ECO-TV Television	TV/STB	13-11-2028
EP2227729	Proximity Sensing / Reacting Controls and Interfaces	Interactivity/UI	21-11-2028
EP2263407	Preambles for Downlink MU-MIMO Transmission in WLAN:	WiFi	2-3-2029
EP2255502	Master-based non-cooperative network topology for RF re	TV/STB	11-3-2029
EP2286592	Human attention dependent television.	Interactivity/UI	28-5-2029
EP2292013	Smooth A/V synchronization in broadcast streams	TV/STB	4-6-2029
EP2314016	Scalable key distribution	TV/STB	6-8-2029
EP2340687	Colour tunable stacked OLED	OLED	15-10-2029
EP2374172	Permanently visible patterning of OLEDs with full design fr	OLED	30-11-2029
EP2387765	A dual scripting engine to prevent privacy leakage while su	Interactivity/UI	13-1-2030
EP2394313	Shunting the substrate electrode of OLEDs directly with wi	OLED	27-1-2030
EP2394312	Shunting the ITO electrode of OLEDs	OLED	27-1-2030
EP2394316	Simplified encapsulation method for OLEDs preventing sid	OLED	29-1-2030
EP2427926	ELECTROLUMINESCENT DEVICE	OLED	30-4-2030
EP2436059	Black spot elimination on inorganic thin film encapsulated	OLED	20-5-2030
EP2476149	Over-moulding of OLED devices	OLED	7-9-2030
EP2504873	STRENGTHENED COUNTER ELECTRODE OF ELECTROLUMIN	OLED	19-11-2030

Grant	Title	Classification	Expiry date
EP2392145	Method for generating, transmitting and receiving stereoscopic	Audio/Video	17-12-2030
EP2543181	High Dynamic Range Regimes HDR	High Dynamic Range Video	24-2-2031
EP2586077	ORGANIC ELECTROLUMINESCENCE DEVICE WITH SEPARATED	OLED	15-6-2031
EP2609625	ORGANIC ELECTROLUMINESCENT DEVICE	OLED	22-8-2031
EP2617195	Apparatuses and methods for improved encoding of image	High Dynamic Range Video	9-9-2031
EP2684215	ELECTROLUMINESCENT DEVICE	OLED	27-2-2032
EP2689392	APPARATUSES AND METHODS FOR ANALYZING IMAGE GRABBER	High Dynamic Range Video	19-3-2032
EP2702766	APPARATUSES AND METHODS FOR HDR IMAGE ENCODING	High Dynamic Range Video	20-4-2032
EP2702767	Apparatuses and methods for HDR image encoding and decoding	High Dynamic Range Video	23-4-2032
EP3627490	Method of transmitting High Dynamic Range video using D	High Dynamic Range Video	27-4-2032
EP2715827	OLED device with increased efficacy	OLED	23-5-2032
EP2721811	Graphics processing for high dynamic range video	High Dynamic Range Video	7-6-2032
EP2745044	Device comprising light source and light blocker	TV/STB	22-10-2032
EP2774180	STRUCTURING OF OLEDS	OLED	24-10-2032
EP2810314	OLED DEVICE AND MANUFACTURE THEREOF	OLED	30-1-2033
EP2880624	BRIGHTNESS REGION-BASED APPARATUSES AND METHODS FOR	High Dynamic Range Video	25-3-2033
EP2873237	IMPROVED HDR IMAGE DECODING METHODS AND DEVICE	High Dynamic Range Video	1-7-2033
EP2836983	LUMINANCE CHANGING IMAGE PROCESSING WITH COLOR	High Dynamic Range Video	17-9-2033
EP2959672	Improved HDR image encoding and decoding methods and	High Dynamic Range Video	7-2-2034
EP3022895	Methods and apparatuses for creating code mapping function	High Dynamic Range Video	30-6-2034
EP3022902	MAPPING BETWEEN LINEAR LUMINANCE VALUES AND LUMINANCE	High Dynamic Range Video	1-7-2034
EP3324629	Our HDR mode-ii system (i.a. custom curve)	High Dynamic Range Video	19-3-2035
EP3149944	Methods and apparatuses for encoding an HDR images, an	High Dynamic Range Video	19-3-2035
EP3231174	OPTIMIZING HIGH DYNAMIC RANGE IMAGES FOR PARTICULAR	High Dynamic Range Video	2-9-2035
EP3243322	LUMINANCE CHANGING IMAGE PROCESSING WITH COLOR	High Dynamic Range Video	22-10-2035
EP3235236	SIMPLE BUT VERSATILE DYNAMIC RANGE CODING	High Dynamic Range Video	12-12-2036
EP3394850	Optimizing high dynamic range images for particular display	High Dynamic Range Video	21-12-2036
EP3409015	ENCODING AND DECODING HDR VIDEOS	High Dynamic Range Video	27-1-2037

Titles are not descriptive for the claim scope