

CELLULAR STANDARD - POWER CONTROL

For UMTS architecture, specifically, 3GPP TS 23.401 and TS 25.214

Area	Patent #	Granted or Pending	Country Code	Title	Claim Charts	Priority Date	Estimated Expiration Date	Who
FAMILY 1								
Power Control	7751858	Granted	US	SLEEP-MODE STATISTICS APPARATUS, SYSTEMS, AND METHODS	YES	5/5/2006	9/19/2028	ERICSSON EVDO INC (11); INDUSTRIAL TECH RES INST ITRI (3); INTEL CORP (2); NIPPON TELEGRAPH & TELEPHONE (2); SONY ERICSSON MOBILE COMM (2); AIRVANA LP (1); KOREA ELECTRONICS & TELECOM RES INST (1); XEROX CORP (1)
Power Control	7983621	Granted	US	SLEEP-MODE STATISTICS APPARATUS, SYSTEMS, AND METHODS		5/5/2006	5/5/2026	
Power Control	101438514	Granted	CN	SLEEP MODE STATISTICAL DEVICE AND METHOD		5/5/2006	5/3/2027	
Power Control	103402244	Granted	CN	SLEEP MODE STATISTICAL DEVICE AND METHOD		5/5/2006	5/3/2027	
Power Control	2020100	Pending	EP	SLEEP-MODE STATISTICS APPARATUS, SYSTEMS, AND METHODS		5/5/2006	Pending	
FAMILY 2								
Power Control	7274947	Granted	US	BIAS ERROR COMPENSATED INITIAL TRANSMISSION POWER CONTROL FOR DATA SERVICES	YES	11/26/2002	6/28/2025	INTEL CORP (9); GAUSS SURGICAL INC (5); LENOVO (2); ORTRONICS INC (2); ERICSSON (1)
Power Control	42212	Granted	AR	BIAS ERROR COMPENSATED INITIAL TRANSMISSIONPOWER CONTROL FOR DATA SERVICES		11/26/2002	11/26/2023	
Power Control	139337	Granted	MY	BIAS ERROR COMPENSATED INITIAL TRANSMISSION POWER CONTROL FOR DATA SERVICES		11/26/2002	11/24/2023	
Power Control	1234945	Granted	TW	BIAS ERROR COMPENSATED INITIAL TRANSMISSIONPOWER CONTROL FOR DATA SERVICES		11/26/2002	11/24/2023	
Power Control	207803	pending	VE	BIAS ERROR COMPENSATED INITIAL TRANSMISSIONPOWER CONTROL FOR DATA SERVICES		11/26/2002	Pending	

YES = UMTS architecture, specifically, 3GPP TS 23.401 and TS 25.214 standards

FAMILY 3								
Power Control	9071399	Granted	US	METHOD FOR OPERATING A TRANSCEIVER CIRCUIT AND TRANSCEIVER CIRCUIT		8/29/2012	3/30/2033	
Power Control	103684723	Pending	CN	METHOD FOR OPERATING A TRANSCEIVER CIRCUIT AND TRANSCEIVER CIRCUIT		8/29/2012	Pending	

Power Control	2704348	Pending	EP	GUARD BAND UTILIZATION IN A COMMUNICATION NETWORK		8/29/2012	Pending	
FAMILY 4								
Power Control	8861443	Granted	US	METHOD AND APPARATUS FOR POWER CONTROL IN FULL-DUPLEX WIRELESS SYSTEMS WITH SIMULTANEOUS TRANSMISSION RECEPTION		9/20/2012	11/8/2032	
Power Control	104604307	Pending	CN	METHOD AND APPARATUS FOR POWER CONTROL IN FULL-DUPLEX WIRELESS SYSTEMS WITH SIMULTANEOUS TRANSMISSION RECEPTION		9/20/2012	Pending	
Power Control	2898733	Pending	EP	METHOD AND APPARATUS FOR POWER CONTROL IN FULL-DUPLEX WIRELESS SYSTEMS WITH SIMULTANEOUS TRANSMISSION RECEPTION		9/20/2012	Pending	
FAMILY 5								
Power Control	20140233445	Pending	US	MULTI-CHANNEL POWER CONTROL		8/17/2012	Pending	PROVENANCE ASSET GROUP LLC (1); QUALCOMM INC (1)
Power Control	104429132	Pending	CN	MULTI-CHANNEL POWER CONTROL		8/17/2012	Pending	
Power Control	2885946	Pending	EP	MULTI-CHANNEL POWER CONTROL		8/17/2012	Pending	
FAMILY 6								
Power Control	7639182	Granted	US	DISTANCE MEASUREMENT IN A RADIO COMMUNICATION DEVICE		4/5/2007	11/23/2027	AVAGO TECH (10); RALINK TECH CORP (1)
Power Control	102008016618	Granted	DE	RADIO COMMUNICATION ARRANGEMENT FOR DETERMINING DISTANCE OF RADIO COMMUNICATION DEVICE, HAS DISTANCE MEASUREMENT MANAGING CIRCUIT THAT RECEIVES AND PROCESSES DISTANCE MEASUREMENT VALUES MEASURED BY SET OF TRANSCEIVER [TRANSLATION FROM THOMSON]		4/5/2007	4/2/2028	

Foreign Counterparts

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