

1	ELECTRICAL HYBRID CALCULATING COMPUTER	161	..Having supplemental environment related output
2	.Plural complete computers	162	...Teaching
3	.Particular function performed	163	...Business
4	..Evaluation of trigonometric function	164	..Output verification
5	..Correlation, convolution, or transformation	165	..Blanking
6	..Integration or differentiation	166	...Zero suppression
7	..Multiplication or division	167	..Prompting
8	..Function generation	168	..Selective output
9	...Piece-wise linear synthesis	169	..Sequential output
100	ELECTRICAL DIGITAL CALCULATING COMPUTER	170	..Using particular format
101	.Pulse repetition rate	171	..Symbol accompanying output
102	..Digital differential analyzer	172	..Audio
103	..Multiplication or division	173	..Printer
104	.Plural complete computers	174	..Multiple simultaneous outputs
105	.Combined with diverse art device	190	.Integrated circuit
106	..Checkbook	191	.Electro-optical
107	..Writing instrument (e.g., pen)	192	.Bubble-domain
108	..Tape recorder	200	.Particular function performed
109	..Communication device (e.g., telephone, radio, television)	201	..Absolute value or magnitude
110	..Business device (e.g., billing, memorandum)	202	..Median
111	..Horological device	203	..Compression/decompression
112	..Calendar	204	..Format conversion
130	.Programmable calculator	205	...Normalization
131	.Having specialized input	206	..Unit conversion
132	..Having supplemental environment related input	207	..Maximum/minimum determination
133	...Cooking	208	..Scaling
134	...Business	209	..Shifting
135	..For security	210	..Determining number of like-valued bits in word
136	..Input verification	211	..Determining number of like-valued leading or trailing bits
137	..Fraction input	212	..Detecting particular sequence of bits
138	..Flexible input	230	..Multifunctional
139	..Including specific computing system interconnection	231	...Microprocessor
140	..Modular or overlay nonkeyboard-type information entry	232	...Array of elements (e.g., AND/OR array, etc.)
141	..Including specific nonkeyboard-type information entry	233	...Pipeline
142	..Including specific keyboard-type information entry	234	...Parallel bit input of operand
143	...Nonmechanical key actuation	235	...Uses look-up table
144	...User definable key	236	...More than two operands
145	...Plural function key	250	..Random number generation
146	...Key sequencing (i.e., sequence defines function)	251	...Oscillator controlled
160	.Having specialized output	252	...Linear feedback shift register
		253	...Plural parallel outputs bits
		254	...Seed value controls
		255	...Truly random number
		256	...Plural parallel outputs
		270	..Function generation
		271	...Direct digital frequency synthesizer

272	...Memory used to store waveshape	440	..Evaluation of trigonometric function
273	...Counter as source (i.e., input)	441	...Vector resolver
274	...Linear	442	..Coordinate conversion
275	...Circular	443	..Differentiation
276	...Trigonometric	444	..Integration
277	...Logarithmic/exponential	445	..Averaging
290	..Interpolation/extrapolation	446	..Solving equation
300	..Filtering	490	..Arithmetical operation
301	...Tapped delay line	491	...Residue number
303	...Microprocessor	492	...Galois field
304	...Nonlinear (e.g., median, etc.)	493	...Multi-valued
305	...Initialization	494	...Incremental mode
306	...Finite arithmetic effect	495	...Floating point
307	...Delta/differential coded	496	...Compensation for finite word length
308	...Multidimensional data		.....Round off or truncation
309	...Frequency measurement	497	.....Overflow or underflow
310	...Coherent	498	.....Sticky bit
311	...Frequency detection	499	...Evaluation of root
312	....Tone detection	500	...Multiplication followed by addition
313	...Decimation/interpolation	501	...Reciprocal
314	...Matched filter type		...Multiplication
315	...By convolution	502	...Division
316	...Having multiplexing	503	...Addition or subtraction
317	...Wave	504	...Feedback
318	...Lattice	505	...Parallel
319	...Transversal	506	...Pipeline
320	...Recursive	507	...Systolic
321	...Nontime domain	508	...Microprocessor
322	...Adaptive	509	...Complex number format
323	...Equalizer	510	...Logarithmic format
400	..Transform	511	...Variable length or precision
401	..Multidimensional	512	...Matrix array
402	...Discrete Cosine Transform (i.e., DCT)	513	...Logarithmic format
403	...Fourier	514	...Variable length
404	....Fast Fourier Transform (i.e., FFT)	517	...Negative radix
405	....Discrete Fourier Transform (i.e., DFT)	518	...Matrix array
406	....Pipeline	519	...Pipeline
407	....Systolic	520	...Systolic
408	....Radix greater than two	521	...Multiplication followed by addition (i.e., $x*y+z$)
409	....Butterfly circuit	522	...Multiple parallel operations
410	...Walsh	523	...Status condition/flag generation or use
420	..Convolution		...Error detection or correction
421	...Cyclic/circular	530	....Parity check
422	..Correlation	531	....Residue code
423	...Single bit data	532	....Sequential repetition
424	...Multidimensional data	533	....Plural parallel devices
425	...Using tapped delay line	534	...Cathode-ray tube
426	...Autocorrelation	540	...Contact-making device
		541	

542	...Radix point control	704	.....For precharging (e.g., Manchester, etc.)
550	...Compensation for finite word length	705	.....Serial
551	....Round off or truncation	706	.....Parallel
552	....Overflow or underflow	707	.....Carry-ripple
553	.....Prediction	708	.....Carry-save adders
603	...Sum of products generation	709	.....Adding more than two numbers
604	...All four basic functions	710	.....Carry look-ahead
605	...Evaluation of root	711	.....Slice block having block ripple
606	...Evaluation of powers	712	.....Slice block having block look-ahead
607	...Multiplication of matrices	713	.....Tree structured logic blocks
620	...Multiplication	714	.....Conditional sums
622	....Complex number format	800	ELECTRICAL ANALOG CALCULATING COMPUTER
623	....Decimal	801	..Particular function performed
624	....Coded decimal	802	..Evaluation of equation
625	....Binary	803	...Simultaneous
626	.....Sum of cross products	804	...Differential (e.g., differential analyzer)
627	.....Repeated addition	805	..Averaging
628	.....Multiple digit	806	..Variance or standard deviation determination
629	.....Carry-save adders (i.e., CSAs)	807	..Evaluation of root (e.g., square root)
630	.....Array adders	808	..Evaluation of powers
631	.....Pipeline	809	..Coordinate conversion or vector resolver
632	.....Feedback	810	...Electromechanical
650	...Division	811	..Evaluation of trigonometric function
651	....Decimal	812	...Single triangle
652	....Coded decimal	813	..Correlation or convolution
653	....Binary	814	...Of multidimensional data
654	.....Multiplication by reciprocal	815	...Acoustic
655	.....Repeated subtraction	816	...Optical
656	.....Multiples of divisor	817	...Magnetic or electromagnetic
670	...Addition/subtraction	818	...Having tapped delay line
671	....Comparison	819	..Filtering
672	....Incrementation/decrementation	820	..Transform
673	....Radix correction	821	...Fourier
674	.....Serial	822	..Differentiation
675	....Signal amplitude	823	..Integrator
676	....Microwave	824	...Plural integration
677	....Cryogenic	825	...Plural mode (e.g., plural scale)
678	....By electronic tube	826	...Reset
679	....Magnetic	827	...Drift correction
680	....Decimal	828	...Having simultaneous calculation of another function
681	.....Serial		
682	.....Parallel		
683	....Coded decimal		
684	.....Serial		
685	.....Parallel		
700	....Binary		
701	.....Bipolar junction transistor only or combined with Field-Effect Transistor		
702	.....Field-Effect transistor (FET)		
703	.....Gate functional level		

829 ...Having a voltage to frequency converter
830 ...Electromechanical
831 ...Electro-optical
832 ...Magnetic or electromagnetic
833 ...Amplifier with additional feedback loop
834 ...Additional R/C feedback loop
835 ..Multiplication
836 ...Time division
837 ...Quarter-square
838 ...Having charging or discharging of energy storage device
839 ...Photomultiplier
840 ...Electromagnetic
841Hall effect
842 ...Electromechanical (e.g., servo-multiplier)
843 ..With alternative division
844 ..Division
845 ..Function generation
846 ...Piece-wise linear synthesis
847 ...Interpolation/extrapolation
848Diode breakpoint
849 ...Cathode-ray tube
850 ...Two or more variables
851 ...Logarithmic/exponential
852 ...Triangular, sawtooth, or ramp
853 ...Hyperbolic
854 ...Electromechanical

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