

电子计算机

DIANZI JISUANJI

3-4

说 明

在毛主席革命路线指引下，经过电子工业战线广大职工的共同努力，我国计算机工业几年来取得了可喜的成就。为了配合这一大好形势，进一步满足各有关单位在研究设计工作中查阅参考资料的需要，我们选编了这个特辑。

这期合刊扩大了选编范围，收录了近三年来出版的有关计算机设计、生产和应用的美国专利说明书共4,400件。目录中每条题目的左上角是专利号，右上角是分类号，右下角是本目录的顺序号，题目下面附有原文题目，公司名称（或发明人姓名），以及专利公布年份。读者如有需要，欢迎前来我馆查阅或函办复制（来函只抄寄专利号即可）。

关于本辑目录的收集期限和收集重点、普查范围、以及著录和分类等方面的具体情况，可参考目录后面的编后记和两个附录。

为了使目录更好地满足使用的需要，我们在这期里努力作了一些改进，但限于水平，缺点错误一定还是很多的，欢迎大家批评指正；对我们的工作有何建议和要求，也希望提出宝贵意见，来信请寄北京和平里中国科学技术情报研究所专利馆。

目 次

1	元件和线路	
1—1	逻辑电路.....	(1)
1—2	其他电路 (脉冲电路, 稳压电源等)	(9)
1—3	元件工艺.....	(17)
1—4	结构工艺.....	(38)
1—5	产品测试.....	(51)
2	存储器	
2—1	活动磁存储器.....	(55)
2—2	固定磁存储器.....	(66)
2—3	半导体存储器.....	(76)
2—4	其他存储器.....	(87)
3	外围设备	
3—1	外存设备.....	(94)
3—2	输入设备.....	(102)
3—3	输出设备.....	(125)
3—4	显示器和终端设备.....	(146)
3—5	检测设备.....	(168)
3—6	控制设备.....	(182)
4	数字系统	
4—1	总体设计.....	(193)
4—2	存贮系统.....	(197)
4—3	转换系统.....	(204)
4—4	运算系统.....	(208)
4—5	控制系统.....	(214)
4—6	故障处理.....	(221)
4—7	数据通讯.....	(228)
5	模拟系统	
5—1	模拟计算机.....	(240)
5—2	模数数模转换.....	(246)
6	专用系统	
6—1	科学.....	(252)
6—2	工业.....	(258)
6—3	交通、电信、军事.....	(274)
6—4	财贸, 行政.....	(285)
6—5	其他.....	(289)
	编后记.....	(292)
	附录一 国外二十个主要计算机厂家.....	(295)
	附录二 美国专利分类系统中有关计算机的主要类别.....	(297)

元 件 和 线 路

邏 輯 电 路

3689751	235-176	3699362	307-300
单壁磁畴顺序全加器		晶体管逻辑电路	
Single wall domain logic arrangement		Transistor logic circuit	
Bell Telephone Laboratories Inc., 1972		IBM Corp., 1972	
	0001		0007
3691401	307-215	3700875	235-175
与非门和非或门两用电路		并行二进制进位超前加法器	
Convertible NAND/NOR gate		Parallel binary carry look-ahead adder	
Honeywell Information systems Itatia,		system	
1972		Licentia Patent-Verwaltungs-G. m.b.H.,	
	0002	1972	0008
3693032	307-299	3700930	307-292
晶体管-晶体管逻辑电路的抗饱和技术		辐照硬化的R-L接触器电路	
Antisaturation technique for TTL circuits		Radiation hardened R-L flip-flop circuit	
IBM Corp., 1972		U. S. Army, 1972	
	0003		0009
3694642	235-170	3701974	340-172.5
二进制编码十进制数的加减法装置		学习电路	
Add/substract apparatus for binary coded		Learning Circuit	
decimal numbers		Signetics Corporation, 1972	
Computer Design Corp., 1972			0010
	0004	3702985	340-166R
3697735	235-15	多种用途的矩阵型单片大规模集成逻辑电路	
高速并行二进制加法器		MOS transistor integrated matrix	
High-speed Parallel binary adder		Texas Instruments Inc., 1972	
Burroughs Corp., 1972			0011
	0005	3703705	340-146.1AL
3699326	235-175	多通道移位寄存器	
用2补码记号表示的数的舍入装置		Multi-channel shift register	
Rounding numbers expressed in 2's		IBM Corp., 1972	
complement notation			0012
Honeywell Information Systems Inc.,		3704364	235-176
1972		通过数字修匀回路平均目标数据的数字存储器移	
	0006	位寄存器	
		Digital memory shift register incorpora-	
		ting target data averaging through a digi-	
		tal smoothing loop	
		U. S. Navy, 1972	
			0013

3705357	328-93	circuits	
线对检查用逻辑电路		Sperry Rand Corp., 1973	
Morphic exclusive-or circuits			0021
IBM Corp., 1972			
	0014	3728531	235-175
		使用模拟比较器的二进加法器	
3707622	235-176	Binary arithmetic using analog compar-	
数字串行运算器		ators	
Digital serial arithmetic unit		Honeywell Information System Inc.,	
Omron Tateisi Electronics Co., 1972		1973	
	0015		0022
		3728532	235-175
3708688	307-205	进位跳跃电路	
驱动器场效应晶体管电路因电极间电容产生乱真		Carry skip-ahead network	
输出的消除电路		RCA Corp., 1973	
Circuit for eliminating spurious outputs			0023
due to interelectrode capacitance in dri-			
ver IGFET circuits			
IBM Corp., 1973			
	0016	3733471	235-92NG
		循环二进制计数器	
		Recirculating Counter	
		National Cash Register Co., 1973	
			0024
3717755	235-175		
带进位传送总线的并行加法器		3739162	235-170
Parallel adder using a carry propagation		带基数校正的串行二进制代码十进制加法器	
bus		Serial BCD adder with radix correction	
Bell Telephone Laboratories Inc., 1973		Olympia Werke AG, 1973	
	0017		0025
3719830	307-218	3740538	235-177
逻辑电路		数字分级器	
Logic circuit		Digital sorter and ranker U. S. Air Fo-	
Burroughs Corp., 1973		orce, 1973	
	0018		0026
3720821	235-172	3740590	307-289
阈逻辑电路		自锁电路	
Threshold logic circuits		Latch circuit	
Bell Telephone Laboratories Inc., 1973		IBM Corp., 1973	
	0019		0027
3723715	235-175	3742253	307-247
用于对三个以上数字进行加法运算的高速加法		三态逻辑器件及其应用	
器		Three state logic device with applications	
Fast modulo threshold operator binary		Burroughs Corp., 1973	
adder for multi-number additions			0028
IBM Corp., 1973			
	0020	3743824	235-175
		条件和加法器用进位传送电路	
3725789	328-2	Carry ripple network for conditional	
逻辑电路的温度控制脉冲定时		sum adder	
Temperature Controlled clocking of logic		RCA Corp., 1973	
			0029

3743862	307-251	3751679	307-204
电容耦合负载控制		电路元件控制状态逻辑信号监测装置	
Capacitively coupled load control		Fail-safe monitoring apparatus	
Texas Instruments Inc., 1973		Honeywell Inc., 1973	
	0030		0038
3746847	235-152	3752394	235-174
伪随机序列发生器		运算和逻辑模件	
Generating pseudo-random sequences		Modular arithmetic and logic unit	
D. Maritsas, 1973		IBM Corp., 1973	
	0031		0039
3746885	307-218	3753006	307-214
用电流开关补偿信号劣化的逻辑电路		有同步逻辑门的高速低功率动态移位寄存器	
Improved logic circuit using a current		High speed, low power, dynamic shift	
switch to compensate for signal deteriora-		register with synchronous logic gates	
tion		Texas Instruments Inc., 1973	
IBM Corp., 1973			0040
	0032		
3747064	307-205	3753007	307-247A
场效应晶体管动态逻辑电路		门脉冲发生器	
FET dynamic logic circuit and layout		Strobe generation system	
IBM Corp., 1973		Honeywell Information Systems Inc.,	
	0033	1973	
			0041
3748449	235-152	3753014	307-217
从一串数字中判定其中间数字的装置		高速“与非”门及其应用	
Device for determining the median num-		Fast inhibit gate with applications	
ber in a series of numbers		Burroughs Corp., 1973	
Litton Systems Inc., 1973			0042
	0034		
3749899	235-176	3755660	235-177
可按二进制亦可按二进编码十进制工作的运算逻辑部件		数字大小减法比较电路	
Binary/BCD arithmetic logic unit		Digital word magnitude selection circuit	
Hewlett Packard Co., 1973		apparatus	
	0035	Collins Radio Co., 1973	
			0043
3749936	307-202	3755689	307-205
安全输出缓冲器		二相三时钟金属氧化物半导体逻辑电路	
Fault protected output buffer		Two-phase three-clock MOS logic circuits	
Texas Instruments Inc., 1973		Honeywell Information Systems Inc.,	
	0036	1973	
			0044
3751650	235-175	3757098	235-175
位数可变的运算器		多字母加法器的进位信号发生方法	
Variable length arithmetic unit		Carry generation means for multiple	
Burroughs Corp., 1973		character adder	
	0037	RCA Corp., 1973	
			0045

1105207

3757138	307-235R	3764920	328-110
推挽式线路驱动电路		用同步信号检查异步信号的装置	
Push-pull line driver circuit		Apparatus for sampling an asynchronous	
IBM Corp., 1973	0046	signal by a synchronous signal	
		Honeywell Information Systems Inc.,	
		1973	0054
3758795	307-306		
使用约瑟夫逊隧道器件的超导电路		3766371	235-175
Superconductive circuitry using Jose-		二进制全加减器	
phson tunneling devices		Binary full adder-subtractors	
IBM Corp., 1973	0047	Tokyo Shibaura Electric Co. Ltd., 1973	
			0055
3760190	307-218		
多重输入自锁电路		3766372	235-175
Non-current summing multiple input		体效应半导体高电场畴控制方法	
latching circuit		Method of controlling high electric field	
IBM Corp., 1973	0048	domain in bulk semiconductor	
		Agency of Industrial Science & Techno-	
		logy (Japan), 1973	0056
3761696	235-152		
随机整数发生器(学习电路用)		3767906	235-175
Random integer generator and method		多功能全加器	
Signetics Corp., 1973	0049	Multifunction full adder	
		RCA Corp., 1973	0057
3761700	235-165		
代码读出系统的输出控制逻辑		3769499	235-172
Output control logic for a code reading		阈值逻辑全加器	
system		Threshold logic three-input adder	
National Cash Register Co., 1973	0050	Bell Telephone Laboratories Inc., 1973	
			0058
3761739	307-206		
不进入准稳态的异步锁闭器		3769522	307-203
Non-metastable asynchronous latch		把金属氧化物半导体电路信号变为晶体管-晶体	
IBM Corp., 1973	0051	管电路信号的转换电路	
		Apparatus and method for converting	
		MOS circuit signals to TTL circuit signals	
		Honeywell Information Systems Inc.,	
		1973	0059
3764792	235-168		
两个 δ 编码信号的相加方法和装置		3774123	333-7D
Method and apparatus for adding two		宽频带微带N极M掷针形二极管开关	
delta coded signals		Broad band microstrip N-pole M-throw	
IBM Corp., 1973	0052	pin diode switch having predetermined	
		spacing between pole and throw conduc-	
		tors	
3764823	307-205	IBM Corp., 1973	0060
补码发生器			
Timed true and complement generator			
IBM Corp., 1973	0053		

3778688	317-235G	0060	3789206	235-172
金属氧化物半导体双极性高压驱动电路			全加器用阈逻辑溢出探测器	
Mos-bipolar high voltage driver circuit			Threshold logic overflow detector for a	
Texas Instruments Inc., 1973			three-input adder	
		0061	Bell Telephone Laboratories Inc., 1974	0069
3783308	307-291		3789247	307-304
触发器			动态定序双向移位寄存器的电荷耦合器	
Flip-flop element			Dynamically ordered bidirectional shift	
Texas Instruments Inc., 1974			register having charge coupled devices	
		0062	IBM Corp., 1974	0070
3784854	307-212		3789264	315-84.6
采用约瑟夫逊器件的二进制加法器			重叠辉光放电等离子体移位寄存器	
Binary adder using Josephson devices			Plasma shift register with overlapping	
IBM Corp., 1974			glow	
		0063	National Cash Register Co., 1974	0071
3785403	137-608		3790768	235-152
流体逻辑线路			随机数发生器	
Fluid logic circuit			Random number generator	
Martonair Ltd., 1974			Prayfel Inc., 1974	0072
		0064		
3787734	307-203		3790817	307-214
电流开关逻辑系统恒定电流电源的电压调节器			肖特基箝位晶体管-晶体管逻辑电路	
Voltage regulator and constant current			Schottky clamped TTL circuit	
source for a current switch logic system			National Semiconductor Corp., 1974	0073
IBM Corp., 1974				
		0065		
3787735	307-203		3790823	307-255
逻辑(正负电压级)探测器			高速晶体管数字门电路	
Logic detector apparatus			High-speed transistor digital gating	
GTE Automatic Electric Laboratories Inc.,			Bell Telephone Laboratories Inc., 1974	0074
1974				
		0066		
3787736	307-205		3790960	340-172.5
场效应晶体管逻辑电路			左右双向移位器	
Field-effect transistor logic circuit			Right and left shifter and method in a	
IBM Corp., 1974			data processing system	
		0067	Amdahl Corp., 1974	0075
3787737	307-215		3792291	307-239
高速逻辑电路			改进慢速无干扰逻辑电路短路电阻性能	
High speed logic circuit			Circuit arrangement for improving the	
Nippon Telephone and Telephone Public			short circuit resistance of the slower in-	
Corp., 1974			terference-free logic circuits	
		0068	Siemens Aktiengesellschaft, 1974	0076

3792292	307-209	and bipolar transistors	
三态逻辑电路		Bell Telephone Laboratories Inc., 1974	
Three-state logic circuit			0085
National Semiconductor Corp., 1974	0077	3798472	307-291
		单块可集成触发器电路	
3793536	307-221	Monolithic integrable flip flop circuit	
移位寄存器的移位器		ITT Industries Inc., 1974	
Shifters for shift register			0086
Wheaton Industries, 1974	0078	3800164	307-204
		多输入通道(防故障)逻辑电路	
3794856	307-205	Redundant logic circuit	
移位寄存器逻辑输出升压电路		U. S. Navy, 1974	0087
Logical bootstrapping in shift registers			
General Instrument Corp., 1974	0079	3801826	307-221C
		移位寄存器用输入电容器	
3795822	307-215	Input for shift registers	
多发射体耦合门电路		Teletype Corp., 1974	0088
Multi-emitter coupled logic gate			
Hewlett-Packard Co., 1974	0080	3801956	340-146.2
		在每一数字周期中进行多次抽样的数字顺序探测器	
3795824	307-255	Digital Sequence detector using multiple	
晶体管开关电路		samples during each digit time period	
Transistor switching circuit		Motorola Inc., 1974	0089
Honeywell Inc., 1974	0081	3803426	307-215
		高速非或门	
3796868	235-181	High speed logic gates	
可变阈数字相关器(代码字比较器)		P. Y. Coniuyt, 1974	0090
Variable threshold digital correlator			
Communication Satellite Corp., 1974	0082	3805037	235-152
		N阶伽罗华线性门	
3796928	317-235R	N'th power Galois linear gate	
半导体移位寄存器		J. T. Ellison, 1974	0091
Semiconductor shift register			
IBM Corp., 1974	0083	3805045	235-175
		采用冗余位的二进位超前加法器	
3798428	235-168	Binary carry lookahead adder using re-	
电子计时装置		dundancy terms	
Electronic time-keeping apparatus		Amdahl Corp., 1974	0092
Kabushiki Kaisha Seikosha, 1974	0084	3805094	307-300
		开关晶体管驱动电路	
3798466	307-205	Driving circuit for a switching transistor	
带组合场效应和双极性晶体管的电路		Honeywell Information Systems Italiana,	
Circuits including combined field effect		1974	0093

3806719	235-170	3811039	235-175
可选择按十进制或十六进制计算的运算器		二进制运算、逻辑和移位部件	
Calculator for selectively calculating in decimal and time systems		Binary arithmetic, logical and shifter Unit	
Kabushiki Kaisha Suwa Seikosha, 1974		Honeywell Information Systems Inc., 1974	
	0094		0102
3806736	307-215	3812388	307-291
有温度补偿的射极耦合逻辑电路		同步静态金属氧化物半导体场效应晶体管禁门	
Temperature compensated emitter coupled logic circuit		Synchronized static MOSFET latch	
Siemens Aktiengesellschaft, 1974		IBM Corp., 1974	
	0095		0103
3806884	340-172.5	3813558	307-221R
用于产生字符编码信号的逻辑电路		定向非固定双稳态电阻器逻辑电路	
Logic circuit arrangement for the generation of coded signals of characters		Directional, non-volatile bistable resistor logic circuits	
Societe D'Application Generale D'Elec-tricite Et De Mechanique, 1974		IBM Corp., 1974	
	0096		0104
3806891	340-172.5	3813563	307-279
通用组合逻辑电路模件 (大规模集成)		触发器电路	
Logic circuit for scan-in/scan-out		Flip-flop circuit	
IBM Corp., 1974		Hitachi Ltd., 1974	
	0097		0105
3808457	307-215	3813564	307-279
有与、或、非或及三者组合功能的动态逻辑电路		触发器电路	
Dynamic logic device		Flip-flop circuit	
A. G. Filippov, 1974		Hitachi Ltd., 1974	
	0098		0106
3808458	307-221	3814925	235-175
动态移位寄存器		对A和B两数同时进行运算并输出A-B和B-A两个结果的加法器	
Dynamic shift register		Dual output adder and method of addition for concurrently forming the differences A-B and B-A	
General Electric Co., 1974		Amdahl Corp., 1974	
	0099		0107
3809872	235-170	3814951	307-215
时间加减运算器		能进行非或和非与操作的多功能逻辑电路	
Time calculator with mixed radix serial adder/subtraction		Multiple function logic circuit	
Kabushiki Kaisha Suwa Seikosha, 1974		Bell Telephone Laboratories Inc., 1974	
	0100		0108
3811038	235-152	3814953	307-289
伪随机数发生器		主从二进制除法器电路	
Pseudo-random number generators		Master-slave binary divider circuit	
International Computers Ltd., 1974		IBM Corp., 1974	
	0101		0109

3816734	235-168	3822378	235-176
二补码减法和算法		加减法器和使用标点代码表示数据形式的存储器	
Apparatus and method for 2's complement subtraction		Addition-subtraction device and memory means utilizing stop codes to designate form of stored data	
Bell Telephone Laboratories Inc., 1974	0110	Casio Computer Co., 1974	0118
3816758	307-214	3824408	307-214
数字逻辑电路		高速反相驱动器电路	
Digital logic circuit		Driver circuit	
IBM Corp., 1974	0111	Microsystems International Ltd., 1974	0119
3816761	307-235R	3824478	328-37
比较器电路		移位寄存器	
Comparator circuit		Shift register	
RCA Corp., 1974	0112	Electron Emission Systems Inc., 1974	0120
3816765	307-260A	3825736	235-168
随机噪声发生器用数字接口电路		便于处理因数和代数项的计算器	
Digital interface circuit for a random noise generator		Calculator with provision for efficiently manipulating factors and terms	
RCA Corp., 1974	0113	Hewlett Packard Co., 1974	0121
3818203	235-164	3825770	307-203
矩阵移位器		多功能门电路	
Matrix shifter		Multi-function logic gate	
Honeywell Inc., 1974	0114	RCA Corp., 1974	0122
3818451	340-166EL	3825771	307-214
用光传输数据的高速混集成逻辑元件阵列		绝缘门场效应晶体管反相器电路	
Light-emitting and light-receiving logic array		IGFET Inverter circuit	
Motorola Inc., 1974	0115	Bell Telephone Laboratories Inc., 1974	0123
3819952	307-202	3825906	340-173.1
晶体管器件的保护		采用约瑟夫逊隧道器件的超导移位寄存器	
Semiconductor device		Super conductive shift register utilizing Josephson tunnelling devices	
Mitsubishi Denki Kabushiki Kaisha, 1974	0116	IBM Corp., 1974	0124
3820008	323-17	3826930	307-311
开关晶体管的驱动电路		无故障光耦合逻辑电路	
Driving circuit for switching transistor		Fail-safe optically coupled logic networks	
Honeywell Information Systems Italia, 1974	0117	Westinghouse Electric Corp., 1974	0125

3828202 307-218
使用电流开关补偿信号劣化的逻辑电路
Logic circuit using a current switch to
compensate for signal deterioration
Burroughs Corp., 1974

0126

3828209 307-279
触发器电路
Flip-flop circuit
Hitachi Ltd., 1974

0127

3829710 307-205
使用绝缘门场效应晶体管的逻辑电路
Logic circuit arrangement using insulated
gate field effect transistors
Tokyo Shibaura Electric Co.Ltd., 1974

0128

3829711 307-221C
移位寄存器
Shift registers
Integrated Photomatrix Ltd., 1974

0129

3829846 340-173AM
采用只读联取存贮阵列的多功能逻辑模块
Multi-function logic module employing
read-only associative memory arrays
Honeywell Inc., 1974

0130

3832574 307-205
具有多种阈特性的快速绝缘门场效应晶体管电路
Fast insulated gate field effect transistor
circuit using multiple threshold technology
IBM Corp., 1974

0131

3832575 307-208
数据总线传输线终端电路
Data bus transmission line termination
circuit
IBM Corp., 1974

0132

3832576 307-209
绝缘门场效应晶体管集成电路减少数据输入针数的
编码电路

Encoder circuit to reduce pin count for
data entry into insulated gate field effect
transistor integrated circuits
Texas Instruments Inc., 1974

0133

3832578 307-279
静态触发器电路
Static flip-flop circuit
Hitachi Ltd., 1974

0134

其他电路

3689846 328-63
起动脉冲探测电路
Start bit detection circuit
Burroughs Corp., 1972

0135

3689903 340-174.1H
读出可变频率记录信息用的相位同步回路用的振
荡器
Voltage controlled oscillator with cons-
trained period of frequency change
Honeywell Inc., 1972

0136

3691397 307-66
电池调节电源的控制系统
Control system for battery regulated po-
wer supply
Burroughs Corp., 1972

0137

3691404 307-252
可变工作循环控制电路
Variable duty cycle control circuit
Sperry Rand Corp., 1972

0138

3691474 331-1A
振荡器同步用相位探测器始发器
Phase detector initializer for oscillator
synchronization
Burroughs Corp., 1972

0139

3693028	307-235	3697862	323-9
信号峰值探测系统		能同时限制正负载荷电流的电源	
System for the detection and validation of signal peaks		Power supply having means for limiting load currents with both active and passive load	
Burroughs Corp., 1972	0140	Hewlett-Packard Co., 1972	0148
3693057	317-235R	3697863	323-20
带箍缩电阻器的单块功率开关触发器电路		过电流保护系统和所用的传感器	
Monolithic circuits with pinch resistors		Overcurrent protection system and sensor used therewith	
IBM Corp., 1972	0141	Texas Instruments Inc., 1972	0149
3694726	321-2	3700869	235-152
变压器和感应器件组合的直流直流功率转换器		伪噪音顺序发生器	
Combined transformer and inductor device		Pseudonoise sequence generator with three-tap linear feedback shift registers	
IBM Corp., 1972	0142	G. M. Low, 1972	0150
3696285	321-45R	3700922	307-246
采用半导体器件少数载流子注射的反相器电路		快动作关闭电路	
Inverter circuits utilizing minority carrier injection in a semiconductor device		Fast acting turn-off circuit	
IBM Corp., 1972	0143	IBM Corp., 1972	0151
3696312	333-24R	3702418	317-13A
电场可控回旋共振器件		故障情况下中断电源的保护系统	
Cyclotron resonance devices controllable by electric fields		Protection system with manual reset means operable only on clearing of the fault	
IBM Corp., 1972	0144	Texas Instruments Inc., 1972	0152
3697851	321-2	3702942	307-235R
调节(直流直流)转换器电路		信号取样电路	
Regulating converter circuit		Signal sampling circuit	
Hewlett-Packard Co., 1972	0145	Honeywell Information Systems Inc., 1972	0153
3697852	321-2	3704429	331-101
电源用晶体管开关调节器		有压制寄生振荡的电阻的负阻抗二极管同轴空穴振荡器	
Transistor switching regulator		Negative resistance diode coaxial cavity oscillator with resistor for suppressing undesired modes	
IBM Corp., 1972	0146	Sperry Rand Corp., 1972	0154
3697853	321-2		
开关调节器用脉冲发生器			
Pulse generator for use with a switching regulator			
Honeywell Information Systems Inc., 1972	0147		

3705295	235-92PL	3713040	331-1A
脉冲变换系统		信号频率控制器	
Conversion system		Signal frequency controller	
Honeywell Inc., 1972		Hewlett-Packard Co., 1973	
	0155		0163
3705418	307-237	3719896	331-14
数字脉冲信号传输电路		有相位补偿电路的相位同步振荡器	
Digital pulse signal transmission circuit		Phase lock oscillator with phase compensation circuit for use in data processing systems	
Fujitsu Ltd., 1972		IBM Corp., 1973	
	0156		0164
3705990	307-252B	3721919	331-96
可控硅点火控制电路		高效率振荡模扁平微电路高频信号发生器	
Thyristor firing control circuit		High efficiency mode planar microcircuit	
Honeywell Inc., 1972		high frequency signal generator	
	0157	Sperry Rand Corp., 1973	
3706129	29-583		0165
集成半导体整流器及制造工艺		3721928	335-204
Integrated semiconductor rectifiers and processes for their fabrication		电流监测装置	
General Electric Company, 1972		Current monitoring apparatus	
	0158	Burroughs Corp., 1973	
			0166
3707634	307-138	3725765	321-2
交流负载转换用继电器的接触寿命延长装置		开关式直流直流转换器	
Apparatus for extending contact life of relays utilized for A.C. load switching		Switch-type D. C. to D. C. Converter	
Sperry Rand Corp., 1972		Hewlett-Packard Co., 1973	
	0159		0167
3707684	330-9	3725812	331-94.5
直流电源开关调节器用误差放大器		激光脉码发生器	
Error amplifier for switching regulator		Laser system moving electronically selectable gain	
Honeywell Information Systems Inc., 1972		Texas Instruments Inc., 1973	
	0160		0168
3708672	250-209	3727141	328-60
采用光耦合隔离器的固体继电器		双稳态多谐振荡器的触发电路	
Solid state relay using photocoupled isolators		Trigger circuit for a bistable multivibrator	
Honeywell Information Systems Inc., 1973		Burroughs Corp., 1973	
	0161		0169
3708742	321-15	3728558	307-262
高直流到低直流电压变换(不用变压器)		用于开关调节器的同步触发脉冲发生器	
High DC to low DC voltage converter		Synchronized trigger generator for use with a switching regulator	
IBM Corp., 1973		Honeywell Information Systems Inc., 1973	
	0162		0170

3733536	321-10	3743864	307-302
低通滤波器的电流探测器		脉冲信号和门信号重合探测电路	
Current sensor for low pass filter		Circuit for detecting coincidence between	
IBM Corp., 1973		low energy short rise signals	
	0171	Sperry Rand Corp., 1973	
			0179
3736467	317-11A	3743914	320-1
用于控制感应负载的簧片继电器电路		半波分压器	
Reed relay Circuit for controlling induc-		Half wave voltage divider	
tive loads		Burroughs Corp., 1973	
IBM Corp., 1973			0180
	0172		
3736528	331-1443	3743924	323-22T
电压控制的振荡器		双电压调节器	
Voltage controlled oscillator		Dual voltage regulator	
Honeywell Information Systems Inc.,		Honeywell Information Systems Inc.,	
1973		1973	
	0173		0181
3737636	235-152	3743973	333-30
窄频带数字滤波器		声学表面波的速度变换	
Narrow band digital filter		Acoustic surface-wave velocity transfor-	
IBM Corp., 1973		mation	
	0174	Texas Instruments Inc., 1973	
			0182
3737808	333-20	3745367	307-108
脉冲成形网络		间隔距离不等的定时脉冲发生器	
Pulse shaping network		Method and apparatus for generating	
Honeywell Information Systems Inc.,		timing pulses with varying distances	
1973		IBM Corp., 1973	
	0175		0183
3742384	331-111	3745377	307-252J
可变频率振荡器		脉冲驱动电路	
Variable frequency oscillator		Pulse drive circuit	
Texas Instruments Inc., 1973		Control Data Corp., 1973	
	0176		0184
3743860	307-252UA	3745472	328-63
全周同步开关控制电路		时钟脉冲分配系统	
Full cycle synchronous-switching Con-		Synchronous digital system having a	
trol circuit		clock distribution system	
Burroughs Corp., 1973		Texas Instruments Inc., 1973	
	0177		0185
3743861	307-252B	3746893	307-304
可控硅整流电路		输出电压等于输入电压的场效应晶体管阻抗耦合	
Thyristor hard-firing circuit		Field effect transistor impedance coup-	
Honeywell Inc., 1973		ling network whose output voltage equals	
	0178	the input voltage	
		Honeywell Inc., 1973	
			0186

3746970 323-22SC
均方根电压调节器
Root mean square voltage regulator
IBM Corp., 1973

0187

3747008 330-110
输出电压低于控制元件电压的稳压电源
Reference power supply having an out-
put voltage less than its control element
Control Data Corp., 1973

0188

3751682 307-255
电容负载用脉冲电压驱动器
Pulsed voltage driver for capacitive load
Sperry Rand Corp., 1973

0189

3755761 333-70T
表面波横向频率滤波器
Surface wave transversal frequency fil-
ter
Texas Instruments Inc., 1973

0190

3758840 321-2
改进电压调节的电源
Power supply utilizing improved voltage
regulation
Hewlett-Packard Co., 1973

0191

3758852 324-78Q
交流电源频率低值探测器
Decrease in frequency detector
Honeywell Information Systems Inc.,
1973

0192

3764787 235-152
脉冲分配方法和装置
Method and apparatus for pulse distri-
bution with variable time interval for
pulse train generation
Iwatsu Electric Co. Ltd., 1973

0193

3764886 321-15
三相电压三倍整流器电路
Three-phase voltage tripling rectifier
circuit
IBM Corp., 1973

0194

3764889 323-17
开关调节器的定序器
Sequence for a dual switching regulator
Honeywell Information systems Inc.,
1973

0195

3764905 324-102
使用约瑟夫逊隧道效应器件的脉冲信号测量装置
Apparatus for measuring pulsed signals
using Josephson tunneling devices
IBM Corp., 1973

0196

3764921 328-151
信号抽样和保持电路
Sample and hold circuit
Control Data Corp., 1973

0197

3767944 307-288
采用并协晶体管的触发双稳多谐振荡器电路
Triggered bistable multivibrator circuits
utilizing complementary transistor pairs
Texas Instruments Inc., 1973

0198

3772582 321-47
交直流转换电路
A. C. to D. C. converter circuits
Solartron Electronic Group Ltd., 1973

0199

3772607 330-35
场效应晶体管接口电路
FET interface circuit
IBM Corp., 1973

0200

3775696 331-57
带多速逻辑时钟脉冲振荡器的同步数字系统
Synchronous digital system having a
multispeed logic clock oscillator
Texas Instruments Inc., 1973

0201

3777294 335-236
电磁开关
Electromagnetic Switch
Texas Instruments Inc., 1973

0202

3778639	307-254	Honeywell Information systems Inc., 1973	
使用分流脉冲变压器的晶体管开关			0210
Transistor switch using a current sharing pulse transformer			
IBM Corp., 1973	0203	3781642	321-43
		直流-直流稳压电源	
		D. C. -D. C. power supply with stabili- zation	
		Honeywell Information Systems Inc., 1973	0211
3778640	307-254		
信号电压级转换电路			
Signal voltage level translating circuit			
IBM Corp., 1973	0204	3781654	323-17
		开关式电压调节器电路	
		Switching voltage regulator circuit	
		Hewlett-Packard Co., 1973	0212
3778689	317-258		
薄膜电容器及制造方法			
Thin Film capacitors and method for ma- nufacture			
Hewlett-Packard Co., 1973	0205	3781689	328-61
		数字电路测试脉冲发生器	
		Tristate pulse generator for producing consecutive pair of pulses	
		Hewlett-Packard Co., 1973	0213
3780275	235-152		
伪随机多级脉冲序列发生器			
Device to generate pseudorandom multi- level pulse sequence			
Nippon Electric Co., Ltd., 1973	0206	3783408	331-135
		低频振荡器电路	
		Low frequency oscillator circuit	
		Honeywell Information systems Inc., 1974	0214
3780317	307-235R		
晶体管比较器电路			
Transistorized comparator circuit			
Fujitsu Ltd., 1973	0207	3783413	332-23
		有两个输入和N个输出路线的N路滤波器	
		N path filter having two input and N output paths	
		IBM Corp., 1974	0215
3781573	307-293		
固体电路长周期定时器			
Solid-state long-period timer			
Honeywell Information systems Inc., 1973	0208	3787717	317-235 R
		场效应晶体管门介电材料和其他电路结构的过电 压保护电路	
		Over voltage protection circuit lateral bi- polar transistor with gated collector junction	
		IBM Corp., 1974	0216
3781636	321-9R		
防止开关调节器中电压上冲的超前网络			
Lead network to prevent voltage over- shoot in a switching regulator			
Honeywell Information Systems Inc., 1973	0209	3789289	321-2
		直流-直流变换器的电平控制	
		Voltage level control for D. C. -to - DC. converter	
		IBM Corp., 1974	0217
3781637	321-11		
冲击电流限流器			
Inrush-current limiting device			