

ADDRESS LENGTH : BINARY CONTROL CARDS.

4	493	IDENT	CLAIM
4.3		END	

ENTRY POINTS.

EXCLAIM = 0 SHCLAIM = 23 RELCLAM = 250 RELEASE = 260

EXTERNAL SYMBOLS.

OPERCL	TEMP2	DISKENT	BLK.SIZ	PROBE	M.USRCC	GF.APTL	DA.HASH
IPLIST	TEMP3	DISKERR	BLK.DTY	RECLK	M.FRWCC	GF.HSHF	DA.SUSP
E.ERROR	TEMP4	DISKINT	BLK.FLG	SYSERR	M.TRMCC	FHRHASH	DA.SRES
COMMROF	TEMP5	FRWENT	SW.SW	FRETURN	M.CLOCC	DARHASH	DA.SOCC
COMMROL	TEMP6	FRWEWR	SW.DOS	RETURN	M.ACTCC	GF.HSHL	DA.DRES
COMMRFWF	TEMP7	FRWINT	PG.PG	RETPAR	MTRYCC	GF.TRVF	DA.DOCC
COMMRLW	TEMP8	ENTER	PG.DOS	ERRPARM	M.DFIET	FHB	DA.SCHG
HOLDRLK	TEMP9	CLKBUF	PG.DTY	ERRFILE	M.DOBJS	FB.LEN	DA.DCHG
LOCTAR	TEMP10	DSYSTIM	PTR.PTR	ERRALOC	M.NOBJS	FB.NAME	DA.TIME
LOCTARF	TEMP11	DSWPNTIM	PTR.ODS	ERRMAP	M.BFILE	FB.WD3	DAR
LOCTARL	TEMPA	DUSRIM	PTR.CM	CALBEAD	M.DREQ	FB.SHAP	LFTFREE
LFT	TEMPB	MYSCRF	PTR.DTY	REGS	M.DDRSP	FB.FUND	LFHADDR
FLDLEN	TEMPC	MYCODY	PTR.NUM	D.ENTRY	M.RBUFS	FHR	DARADDR
USERRRWF	TEMPD	MYSUBP	CREATE	D.FNAME	M.WBUFS	FR.LEN	PAGESW
USERRRWL	TEMPE	MYEVCH	CREBLK	BUG1	M.SLOTS	FR.NAME	MAPBUF
DATMAP	TEMPF	READCAP	DELBLK	DSKLCK	M.LOCKS	FR.WD1	SIZES
TERMRHL	TERMPG	WRITCAP	OPEN	BUG2	NLOCKS	FR.WD2	SIZE
TERMROF	TEMPH	SAVEREG	ATTACH	M.AUTH	M.FHRL	FR.WD3	NUMRESP
TERMRWF	TEMHV	RESTREG	DETACH	M.MKCAP	M.DARL	FR.SUSP	CREATER
CLOSRRWF	TEMPW	M.INCL	CONVERT	REDSKP	M.HASHL	FR.LOCK	CREBLKR
CLOSRRWL	TEMPX	FILCL	SETUP	GDSKHDR	M.ADDS	FR.DAR	DELBLKR
CLOSRROR	TEMPY	SLEEP	DECODE	FDSKHDR	M.ASUSP	FR.OPEN	OPENR
READRWF	TEMPZ	MYRESP	CRELFH	GDSKPTR	M.ADISK	FR.CAPX	ATTACHR
READRWL	MYIDENT	RESP	OPENDAR	FDSKPTR	M.SDISK	FR.DBSZ	DETACHR
READONF	MYDAR	GFILE	PRVOPEN	GDSKDAT	M.FDISK	FR.ONEL	ZROMAPR
READONL	MYUNIT	HFILE	MKPTR	FDSKOAT	M.FCLEV	FR.FROZ	CHMAPR
HENTRY	MYSWCC	FILECAP	DSPTR	GETDSK	M.UNAME	FR.WRIT	CHMAPB1
DENTRY	DDSIPL	CTEMP	CLOSE	FREEDSK	M.USCTR	FR.SIZE	SETUPR
ORGADDR	IOTIPL	UDSKSCR	ECLOSE	BUSYDSK	M.OPCL	FR.SHAP	CREATB1
ORGCLST	HASHIPL	BFILE	DARSPA	L.MNCL	M.IOCTR	FR.FUND	CLOSER
ORGMAP	SUSIPL	DDRSP	ZEROMAP	M.GFILE	M.TWAIT	FR.FLAG	MOVBLKR
INTDAT	DATIPL	PRUFS	CHMAP	M.HFILE	M.CLTIM	FR.ROOT	CREPTRR
AP0	APTIPL	RETRY	CLODAR	M.FILCL	M.10SEC	FR.CLAM	DORESPR
AP1	RETPARM	SLOTS	HASH	M.EMPTY	GF.LEN	FR.MEMB	ERRNUM
AP2	REVERR	HSR	DELHASH	M.RETRY	GF.SUSF	FHRADDR	ERRCLAS
AP3	PASSERR	HRW	LOCK	M CLOSE	GF.SUSL	FILEADR	TABADDR
AP4	USRPACK	PRR	UNLOCK	M.TVRES	GF.IOTF	DAB	EC:SEV
AP5	IOTBUF	PRW	UNLOCKW	M.HELP	GF.IOTL	DA.LEN	EC:GEVF
AP6	PROCADR	PRR	FRW	M.SWAB	GF.DDSF	DA.LOG	EC:GVMH
AP7	ERRADDR	DBW	MAKEMAP	M.ABFCH	GF.DDSL	DA.ABNO	EC:DSCP

DISK FILE CLAIM MECHANISMS
STORAGE ALLOCATION.

COMPASS - VER 2. 02/18/71 19.52.04.

PAGE 2

APR	ERRPACK	GETRESP	LOADBUF	M.ABFIL	GF.DATF	DA.FILS
TEMPO	STKBUF	TR.DRIV	AUDIT	M.ACREQ	GF.DATL	DA.FREE
TEMP1	SETPCNT	TR.LEVL	NOQLOCK	M.ACRES	GF.APTF	DA.LOCK

	IDENT	CLAIM
*		
*		
MACROS	XTEXT	
SYSCALL	XTEXT	
*		
	EXT	OPERCL,IPLIST
	MACSET	OPERCL,IPLIST,ECS
ERRORS	XTEXT	
PARAMS	XTEXT	
*		

EXCLUSIVE CLAIM ON DISK FILE

NOTES: 1) EXISTING LOCAL CLAIM (SHARED OR EXCLUSIVE) IS AN ERROR
 2) IF EXISTING GLOBAL CLAIM THEN ENQUE UNLESS IMMEDIATE F-RETURN REQUESTED.
 IF NO QUEUE ACTION FOR 2 MIN. THEN F-RETURN.
 3) OTHERWISE, SET GLOBAL AND LOCAL CLAIM FLAGS AND RETURN

ON ENTRY: XI = INDEX OF USER'S ECS FILE CAP
 $\#AP2\#$ = 0 FOR HANG; NON-ZERO FOR IMMEDIATE F-RETURN

ROUTINES CALLED: $\#CONVERT\#$, $\#UNLOCK\#$, $\#ENQUE\#$

0	6170000007 *	EXCLAIM	SB7	EXCLAIM1	CONVERT USER CAP AND LOCK FILE
	7160000000 X	DISPCAP	X	CONVERT	
5	0200000000 X	JP	X		
6	0200000377 *	*	JP	CLAIM6	NO SUCH OPEN DISK FILE
7	5142000001	EXCLAIM1	SA4	B2+1	2ND WORD OF LFH
	20401		LX4	LH ₀ .EX	CHECK FOR LOCAL CLAIMS
10	0334000275 *		NG	X4, CLAIM5	JP ON LOCAL EXCLUSIVE CLAIM
	20401		LX4	LH ₀ .SH=LH ₀ .EX	
11	0334000376 *		NG	X4, CLAIM5A	JP ON LOCAL SHARED CLAIM
12	5150000000 X	EXCLAIM2	SA5	FP, CLAIM	GLOBAL CLAIM WORD
	20530		LX5	67=36	
	73650		SX6	X5	
13	0316500020 *		NZ	X4, EXCLAIM3	JP IF ALREADY GLOBAL CLAIM
	43621		MX6	17	SET GLOBAL CLAIM CT = -1
	21622		LX6	18	
14	12665		BX6	X6+X5	
	21644		LX6	35	
	54650		SA6	A5	
15	5140000000 X		SA4	LFHADDR	SET LOCAL EXCLUSIVE CLAIM FLAG
	5244000001		SA4	X4+1	
16	43501		MX6	1	
	21673		LX6	67=LH ₀ .EX	
	12664		BX6	X5+X4	
	54640		SA6	A4	
17	6160000000 X		SB6	RETURN	
	0200000000 X		JP	UNLOCK	UNLOCK AND EXIT
					TOO LATE., SOMEONE ALREADY HAS A CLAIM

DISK FILE CLAIM MECHANISMS
EXCLUSIVE CLAIM

COMPASS - VER 2. 02/18/71 19.52.05.

PAGE 5

20 512000000 X
0312000401 *

21 435-1
6170000012 *

22 1200000067 *

* EXCLAIM3 SA2
NZ
* MX5
S87
JP
*

AP2
X2,CLAIM8

1
EXCLAIM2
FQUEUE

CHECK FOR IMMEDIATE F-RETURN

WAIT ON QUEUE AND THEN
TRY AGAIN

SHARED CLAIM ON DISK FILE

NOTES: 1) EXISTING LOCAL CLAIM (SHARED OR EXCLUSIVE) IS AN ERROR
 2) IF EXISTING GLOBAL EXCLUSIVE CLAIM EITHER WAIT ON QUEUE OR DO IMMEDIATE F=RETURN. IF NO QUEUE ACTION FOR 2 MIN. THEN F=RETURN
 3) OTHERWISE, INCR. GLOBAL SHARED COUNT

ON ENTRY: X1 = INDEX OF USER'S FILE CAP
~~MAP2↑~~ = 0 FOR ENQUE; NON-ZERO FOR IMMEDIATE F=RETURN

ROUTINES CALLED: ↑CONVERT↑, ↑UNLOCK↑, ↑ENQUE↑

23	6170000032 +	SHCLAIM	SB7	SHCLAIM1	CONVERT TO DISK SYS DATA
30	02100000000 X		DISPCAP	X1	
			JP	CONVERT	
31	02000000377 +		JP	CLAIM6	NO SUCH OPEN DISK FILE
32	51420000001	SHCLAIM1	SA4	B2+1	2ND WD OF LFH
	20401		LX4	LH,EX	CHECK FOR LOCAL CLAIM
33	03340000375 +		NG	X4,CLAIM5	JP ON EXCLUSIVE CLAIM
	20401		LX4	LH,SH=LH,EX	
34	03340000375 +		NG	X4,CLAIM5A	JP ON SHARED CLAIM
35	51500000000 X	SHCLAIM2	SAB	FP,CLAM	FHR CLAIM WORD
	20530		LX5	61=36	
	73650		SX6	X5	
36	03360000164 +		NG	X6,SHCLAIM3	JP IF GLOBAL EXCLUSIVE CLAIM
	13656				
37	03160000164 +		BX6	X5=X6	CHECK FOR EMPTY CLAIM QUEUE
	43673		NZ	X6,SHCLAIM3	JP IF OTHER CLAIM PENDING
	37656				
40	20644		MX6	56	
	54650		IX6	X5=X6	
			LX6	36	INCR GLOBAL SHARED CLAIM COUNT
			SAB	A5	
41	51400000000 X		SA4	LFHADDR	SET LOCAL SHARED FLAG
	43611		SA4	X4+1	
	20672		MX6	1	
42	12646		LX6	61=LH,SH	
	54650		SX6	X4+X6	
			SAB	A4	
			SB6	RETURN	UN-LOCK AND RETURN
43	02000000000 X		JP	UNLOCK	

44 5120000400 X
0312000401 *

45 13555
617000035 *

46 7200010747 *

*
*
*

SHCLAIM3 SA2
NZ

BX5
SB7

JP

TOO LATE...SOMEONE ELSE HAS EXCLUSIVE CLAIM

AP2
XP CLAIM8

X5=X5

SHCLAIM2

ENQUE

CHECK FOR IMMEDIATE F=RETURN

WAIT ON QUEUE AND THEN TRY AGAIN

WAIT ON CLAIM QUEUE

IF NO RESPONSE ON QUEUE FOR 1 TO 2 MIN
THEN RETURN ERROR

ON ENTRY X5 = QUEUE LINK TO USE (BIT 59 = 0 FOR
SHARED WAIT; BIT 59 = 1 FOR EXCLUSIVE WAIT)
R7 = RETURN LINK

ROUTINES CALLED : +LOCK+, +UNLOCK+

47 5140000000 X
5130000000 *

50 73634
2316400065 *

51 5160000000 X
7160000000 X

63 12334
21422
12634
54632

64 0200000116 *

65 21352
73232
13332
12634

66 21622
54632
7160000000 X

100 5130000000 X
73634

101 0316000243 *

12634
54632

102 7160000000 X
12652
5160000000 X

105 21222
12652
5160000000 X

106 7160000000 X
12652
5160000000 X

116 6160000117 *

3200000000 X

ENQUE S44
SA3
SX6
NZ

RX6
SA6
WRSUSP
BX3
LX4
RX6
SA6
JP

ENQUE1 LX3
SK2
RX3
BX6
LX6
SA6

RESUSP S43
SA3
SX6
NZ

X5,TEMPS
TEMPS
X3
X5,ENQUE12

BX6
SA6
WRSUSP
LX2
BX6
SA6

TEMPS
X4,*
18
X5,X2
TEMPS
X4,*

ENQUE2 SR6
JP

MYIDENT
FQ,CLAM
X2
X5,ENQUE1

CLAIM QUEUE EMPTY

X5
TEMPS
X4,TEMPS
X3+X4
18
X2+X4
A3
ENQUE2

CLAIM QUEUE NON-EMPTY

63=18
X3
X2+X2
X3+X4
18
A3
X2,TEMPS
TEMPS
X3
X5,ENQUE12
X3+X4
A3
**
18
X5+X2
TEMPS
X4,*

WRSUSP
LX2
BX6
SA6
WRSUSP
LX2
BX6
SA6
WRSUSP

TEMPS
X4,*
18
X5,X2
TEMPS
X4,*

ENQUE3
UNLOCK

117 7160000000 X

13 26666

6166777776

131 0406000145 +

7160000000 X

143 26666

6166777776

144 0526000147 +

6667

145 5140000000 X

6667

146 1200000000 X

WSPACE Area

ENQUES GETEVMH 2,MYEVCH,(MAINCL,M,CLTIM) WAIT A WHILE
 UX6 X6,B6 FIGURE OUT WHICH WAKE UP ARRIVED
 SB6 B6=1
 EQ B6,B6,ENQUE4 JP IF CLAIM WAKE UP
 GETEVMH 2,MYEVCH,(MAINCL,M,CLTIM) WAIT AGAIN
 UX6 X6,B6
 SB6 B6=1
 NE B6,B6,ENQUE5 JP IF TIME OUT

RE-LOCK FILE AND RETURN

WSPACE GET

ENQUES SA4 PHRADDR RE-LOCK FILE AND CHECK SLEEP
 6160000151 + SB6 ENQUE6 EVENT CHAN...WAKE UP MAY HAVE
 150 0200000000 X JP NOQLOCK COME...DO SPECIAL LOCK ?
 151 7160000000 X GETEVF MYEVCH,ENQUE7
 157 0270000000 JP B7 RETURN..GOT WAKE UP AFTER ALL

CLAIM WAIT TIME OUT
 MUST GET OFF CLAIM QUEUE

148 5120010000 X

ENQUE7 SA2 MYIDENT REMOVE SELF FROM CLAIM QUEUE

7160000000 X

172 5150000000 X

72452

173 7355

0314000200 +

174 5130000000 X

22352

175 37762

0317000244 +

176 12635

5 APP

177 02000000217 +

54670

200 7160000000 X

20352

211 5130000000 X

20352

ENQUE8 RESUSP X4,TEMPS FIX UP FOLLOWING ELEMENT

SA3 LX3 6=18
 SX6 X3
 IX7 X6=A2 *CONSISTANCY
 NZ X7,ENQUE13 *CONSISTANCY
 BX3 X3-X6
 BX6 X3+X5
 LX6 18
 SA6 A2
 JP ENQUE9

RESUSP X4,TEMPS LX3 6=18

	7363^	SX6	X3		
212	37762	I X7	X4-X2	*CONSISTANCY	
	0317000245 +	NZ	X7,ENQUE14	*CONSISTANCY	
	13336	BX3	X3-X6		
213	12635	BX6	X3+X5		
	24622	LX6	18		
	54622	SA6	AR		
214	7160000000 X	WRSUSP	***		
	*				
	*				
217	0315000223 +	ENQUE9	NZ	DO BACK PONTER	
		*	X5,ENQUE10	JP IF NOT FIRST IN QUEUE	
	5130000000 X				
221	7363^	SA3	F2,CLAM	FIX UP CLAIM QUEUE HEAD	
	37762	SX6	X3		
	0317000246 +	I X7	X4-X2	*CONSISTANCY	
221	13334	NZ	X7,ENQUE15	*CONSISTANCY	
	12634	BX3	X3-X6		
	54622	BX6	X3+X4		
222	0246000242 +	SA6	AR		
		JP	ENQUE11		
	*				
223	7160000000 X	ENQUE10	RESUSP	X5,TEMPS	
224	5130000000 X		SA3	TEMPS	
	7363^		SX6	X3	
	37762		I X7	X4-X2	
225	0317000247 +		NZ	X7,ENQUE16	*CONSISTANCY
	13336		BX3	X3-X6	*CONSISTANCY
	12634		BX6	X3+X4	
226	54622		SA6	AR	
			WRSUSP	***	
	*				
	*				
242		ENQUE11	BSS	OUT OF QUEUE AT LAST	
242	0200000401 +		JP		
			CLAIM8	UNLOCK FILE AND DO F-RETURN	
				ERROR	
	*				
	*				
	*				
243	0100000000 X	ENQUE12	RJ	CLAIM QUEUE GOOFED UP	
244	0100000000 X	ENQUE13	RJ	CLAIM QUEUE GOOFED UP	
245	0100000000 X	ENQUE14	RJ	CLAIM QUEUE GOOFED UP	
246	0100000000 X	ENQUE15	RJ	CLAIM QUEUE GOOFED UP	
247	0100000000 X	ENQUE16	RJ	CLAIM QUEUE GOOFED UP	
	*		SYSERR		

RELEASE CLAIM ON DISK FILE

RELEASE LOCAL CLAIM AND WAKE UP CLAIM QUEUE
WAKE UP EITHER ONE EXCLUSIVE CLAIM OR
ALL SHARED CLAIMS UP TO AN EXCLUSIVE CLAIM

ON ENTRY: X1 = INDEX OF USER'S FILE CAP

254	6170000257 +	RELCLAM	S87	RELCLAM1	
	7140000000 X		DISPCAP	X1	
255	0200000000 X		JP	CONVERT	
256	0200000377 +		JP	CLAIM6	NO SUCH OPEN DISK FILE
257	6170000377 +	RELCLAM1	S87	RELEASE8	SET EXIT
					ENTRY POINT FROM ↑CLOSE↑
					FILE IS LOCKED AND B7 = RETURN LINK
260	5150000000 X	RELEASE	S45	FR,CLAM	
	20530		LX5	6:=36	SHIFT TO CLAIM COUNTER
261	5140000000 Y		S44	LFHADDR	
	5244000001		S44	X4+1	2ND WD OF LOCAL FILE HEADER
262	47552		MX6	2	CLEAR LOCAL FLAG
	20673		LX6	6:=LH,EX	
	15646		BX6	=X6#X4	
	54640		S46	A4	
263	20401		LX4	LH,EX	
	4334000265 +		NG	X4,RELEASE1	JP IF EXCLUSIVE RELEASE
	20401		LX4	LH,SH=LH,EX	
264	0334000270 +		NG	X4,RELEASE2	JP IF SHARED RELEASE
	0200000402 +		JP	CLAIM9	ERROR,,NO CURRENT CLAIM
					RELEASE EXCLUSIVE CLAIM
265	7265200001	RELEASE1	SX6	X5+1	#CONSISTANCY
	0316000371 +		NZ	X5,RELEASE9	#CONSISTANCY
266	42850		MX6	6:=15	
	11685		BX6	X6*X5	SET CLAIM COUNT = 0
	20644		LX6	36	
	54650		S46	AF	
267	0200000274 +		JP	RELEASE4	GO HANDLE QUEUE
					RELEASE SHARED CLAIM
271	73650	RELEASE2	SX6	X5	
	13556		BX6	X5-X6	
	726677776		SX6	X5=1	
271	0336000370 +		NG	X6,RELEASE10	#CONSISTANCY
	12765		BX7	X6+X5	
	20744		LX7	36	

272-5475-
306000274 + SA7 AC
ZR X6 RELEASE4 GO HANDLE QUEUE..NO MORE CLAIM

273 0270000000 RELEASE3 1B B7 EXIT

X6 RELEASE4 GO HANDLE QUEUE..NO MORE CLAIM

273 627

REF ID: A6512

三

GO HANDLE QUEUE..NO MORE CLAIM

* WAKE UP BEGINNING OF CLAIM QUEUE

274 4150000000 X RELEASE4 SAS FBI,CLAM

1ST QUEUE MEMBER

13554

Digitized by srujanika@gmail.com

275 6304000273

EXIT ON EMPTY QUEUE

7160000000 X	RESUSP	X4, TEMPS	WAKE UP FIRST QUEUE MEMBER
7160000000 X	SENDEV	(SLEEP, X4), BN	
5130000000 X	SA3	TEMPS	QUEUE WORD FOR 1ST FELLOW
73433	SX4	X3	LINK TO NEXT FELLOW
9333000346 *	NG	X3, RELEASE6	IF 1ST FELLOW IS EXCLUSIVE CLAIM DON'T WAKE UP ANY MORE

* WAKE UP QUEUE UNTIL END OR EXCLUSIVE WAIT

322	03340000346 +	RELEASE5	ZR	X4, RELEASE6	JP IF END OF QUEUE
	7160000000 X		RESUSP	X4,*	READ QUEUE WORD FOR NEXT GUY
333	51340000000 X		SAB	TEMPS	CHECK FOR SHARED CLAIM
	03330001346 +		NG	X3, RELEASE6	JP IF EXCLUSIVE
334	71600000000 X		SENDEV	(SLEEP, X4) . B0	WAKE HIM UP
345	72421		SX4	X3	LINK TO NEXT ONE
	02300000322 +		JP	RELEASES	CONTINUE WHILE SHARED WAITERS

346 9314300350 4 RELEASE6 NZ X4,RELEASE7 JP IF NOT END OF QUEUE
43630 MX6 60236 FIX UP QUEUE HEAD
11665 S86 Y4885

350 12654 RELEASET BX6 X54X4 NEW FORGE-PTR IN QUEUE HEAD

362 51500000000 X 71500000000 X SESUSP X40 TEMPS
20552 SAS TEMPS TXS 60-18 FIX UP BACK PTR IN NEW 1ST QUEUE
ELEMENT

363 13656 BX6 X5-X6
20622 LX6 13
54657 SA6 A5

364 7160000000 X
367 0270000000

WRSUSP
JP

.
87

EXIT

370 6150000000 X
0200000000 X

RELEASE8 SB6
JP

EXIT FOR *RELCLAIM*
RETURN
UNLOCK

UN-LOCK FILE AND RETURN

371 0100000000 X
372 0100000000 X

RELEASE9 RJ
RELEASE10 RJ

SYSERR
SYSERR

CLAIM COUNTER FUCKED UP
CLAIM COUNTER FUCKED UP

CLAIM ERRORS

373	5160000000 X	CLAIM4	SA6	ERRNUM	
	6160000000 X		SB6	ERRFILE	UN-LOCK AND DO FILE ERROR
374	0200000000 X		JP	UNLOCK	
375	7160000026	CLAIM5	SX6	E.EXCLAM	ALREADY LOCAL EXCLUSIVE CLAIM
	0200000373 *		JP	CLAIM4	
376	7160000026	CLAIM5A	SX6	E.SHCLAM	ALREADY LOCAL SHARED CLAIM
	0200000373 *		JP	CLAIM4	
377	7160000025	CLAIM6	SX6	E.NOFILE	NO SUCH OPEN DISK FILE
	5160000000 X		SA6	ERRNUM	
400	0200000000 X		JP	ERRFILE	(FILE UNLOCKED)
401	5160000000 X	CLAIM8	SB6	FRETURN	UNLOCK FILE AND DO F-RETURN
	0200000000 X		JP	UNLOCK	
402	7160000040	CLAIM9	SX6	E.NOCLAM	NO LOCAL CLAIM ON RELEASE
	0200000373 *		JP	CLAIM4	

403

SYMBOLS XTEXT

403

END

42606 STORAGE USED
6600 ASSEMBLY2811 STATEMENTS 506 SYMBOLS 000020 INVENTED SYMBOLS
18.733 SECONDS 340 REFERENCES

DISK FILE CLAIM MECHANISMS
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2. 02/18/71 19.52.11.

PAGE 15

APTRBL		EXTERNAL*			
APR		EXTERNAL*			
AP1		EXTERNAL*			
AP2		EXTERNAL*	5/02	7/03	
AP2		EXTERNAL*			
AP4		EXTERNAL*			
AP6		EXTERNAL*			
APA		EXTERNAL*			
APT		EXTERNAL*			
APo		EXTERNAL*			
ATTACH		EXTERNAL*			
ATTACHR		EXTERNAL*			
AUDIT		EXTERNAL*			
BTITLE		EXTERNAL*			
BLK.DTY		EXTERNAL*			
BLK.FLG		EXTERNAL*			
BLK.SIZ		EXTERNAL*			
PUSYDSK		EXTERNAL*			
CALBFD		EXTERNAL*			
CHMAP		EXTERNAL*			
CHMAPB1		EXTERNAL*			
CHMAPR		EXTERNAL*			
CLAIM4	273	PROGRAM*	14/05 L	14/11	14/14 14/24
CLAIM5	275	PROGRAM*	4/28	6/27	14/10 L
CLAIM5A	276	PROGRAM*	4/30	6/29	14/13 L
CLAIM6	277	PROGRAM*	4/25	6/24	11/16 14/16 L
CLAIM8	401	PROGRAM*	5/03	7/04	10/34 14/20 L
CLAIM9	402	PROGRAM*	11/34	14/23 L	
CLKRTIF		EXTERNAL*			
CLODAR		EXTERNAL*			
CLOSE		EXTERNAL*			
CLOSER		EXTERNAL*			
CLOSEROF		EXTERNAL*			
CLOSERNF		EXTERNAL*			
CLOSERNL		EXTERNAL*			
COMMDF		EXTERNAL*			
COMMDFL		EXTERNAL*			
COMMDFR		EXTERNAL*			
COMMDFW		EXTERNAL*			
COMMDFX		EXTERNAL*			
CONVERT		EXTERNAL*	4/23	6/22	11/14
CREATEBT		EXTERNAL*			
CREATE		EXTERNAL*			
CREATEP		EXTERNAL*			
CREBLK		EXTERNAL*			
CREBLKP		EXTERNAL*			
CREBLFH		EXTERNAL*			
CREPTRR		EXTERNAL*			
CTEMP		EXTERNAL*			
DAR		EXTERNAL*			
DAP		EXTERNAL*			
DAPADD		EXTERNAL*			
DAPHASH		EXTERNAL*			
DAPSBA		EXTERNAL*			

DISK FILE CLAIM MECHANISMS
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2. 02/18/71 19.52.11.

PAGE 16

DATIPL		EXTERNAL*		
DATMAP		EXTERNAL*		
DA_ARNO		EXTERNAL*		
DA_DCHG		EXTERNAL*		
DA_DOCG		EXTERNAL*		
DA_DRES		EXTERNAL*		
DA_FILS		EXTERNAL*		
DA_FREE		EXTERNAL*		
DA_HASH		EXTERNAL*		
DA_LEN		EXTERNAL*		
DA_LOCK		EXTERNAL*		
DA_LOG		EXTERNAL*		
DA_SCHG		EXTERNAL*		
DA_SOCC		EXTERNAL*		
DA_SPES		EXTERNAL*		
DA_SUSP		EXTERNAL*		
DA_TTIME		EXTERNAL*		
DRP		EXTERNAL*		
DRUG1		EXTERNAL*		
DRUG2		EXTERNAL*		
DRW		EXTERNAL*		
DRDSP		EXTERNAL*		
DOSIPL		EXTERNAL*		
DECODE		EXTERNAL*		
DELBLK		EXTERNAL*		
DELBLKR		EXTERNAL*		
DELHASH		EXTERNAL*		
DENTRY		EXTERNAL*		
DETACH		EXTERNAL*		
DETACHP		EXTERNAL*		
DISKENT		EXTERNAL*		
DISKFRP		EXTERNAL*		
DISKINT		EXTERNAL*		
DOPESP0		EXTERNAL*		
DSKLOCK		EXTERNAL*		
DSPTD		EXTERNAL*		
DSNPTI		EXTERNAL*		
DSYSTI		EXTERNAL*		
DUSPTIM		EXTERNAL*		
D_ENTRY		EXTERNAL*		
D_FNAME		EXTERNAL*		
FCLOSE		EXTERNAL*		
FCIDSCP		EXTERNAL*	4/23	6/22 11/14
FCIGEVF		EXTERNAL*	9/28	
FCIGVMH		EXTERNAL*	9/04	9/08
FCISEV		EXTERNAL*	12/22	12/34
ENQUE	67	PROGRAM*	5/07	7/08 8/17 L
ENQUE1	65	PROGRAM*	8/20	8/33 L
ENQUE11	223	PROGRAM*	10/11	10/22 L
ENQUE11	242	PROGRAM*	10/20	10/33 L
ENQUE12	243	PROGRAM*	8/42	10/38 L
ENQUE13	244	PROGRAM*	9/44	10/39 L
ENQUE14	245	PROGRAM*	10/63	10/40 L

DISK FILE CLAIM MECHANISMS
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2. 02/18/71 19.52.11.

PAGE 17

ENQUE15	246	PROGRAM*	10/16	10/41	L				
ENQUE16	247	PROGRAM*	10/26	10/42	L				
ENQUE2	116	PROGRAM*	8/30	8/52	L				
ENQUE3	117	PROGRAM*	8/52	9/03	L				
ENQUE4	145	PROGRAM*	9/06	9/12	L				
ENQUE5	147	PROGRAM*	9/10	9/24	L				
ENQUE6	151	PROGRAM*	9/25	9/27	L				
ENQUE7	160	PROGRAM*	9/28	9/32	L				
ENQUE8	218	PROGRAM*	9/38	9/51	L				
ENQUE9	217	PROGRAM*	9/49	10/11	L				
ENTFS		EXTERNAL*							
ERRADDR		EXTERNAL*							
ERRALLOC		EXTERNAL*							
ERRCLAS		EXTERNAL*							
ERRFTL		EXTERNAL*	14/06	14/18					
ERRMAP		EXTERNAL*							
ERRNUTM		EXTERNAL*	14/05	S	14/17	S			
ERRPACK		EXTERNAL*							
ERRPARN		EXTERNAL*							
EXCLAIM		PROGRAM*	4/21	L					
EXCLAIM1	7	PROGRAM*	4/21		4/26	L			
EXCLAIM2	12	PROGRAM*	4/32	L	5/06				
EXCLAIM3	27	PROGRAM*	4/35		5/02	L			
F.ERROR		EXTERNAL*							
F.EXCLAM	25		14/10						
F.NOCLAM	40		14/23						
F.NODFIL	25		14/16						
F.SHCLAM	36		14/13						
FB.FIND		EXTERNAL*							
FB.LFN		EXTERNAL*							
FB.NAME		EXTERNAL*							
FB.SHAP		EXTERNAL*							
FB.WD3		EXTERNAL*							
FDISKDAT		EXTERNAL*							
FDISKHDR		EXTERNAL*							
FDISKPTR		EXTERNAL*							
FH0		EXTERNAL*							
FH0		EXTERNAL*							
FHRADDR		EXTERNAL*	9/12		9/24				
FHRHASH		EXTERNAL*							
FILCL		EXTERNAL*							
FILEADR		EXTERNAL*							
FILECAP		EXTERNAL*							
FILELEN		EXTERNAL*							
FRFDSK		EXTERNAL*							
FRRETURN		EXTERNAL*	14/20						
GQW		EXTERNAL*							
FRWENT		EXTERNAL*							
FRWFPR		EXTERNAL*							
FRWTNT		EXTERNAL*							
FR.CAP*		EXTERNAL*							
FR.CLAIM		EXTERNAL*	4/32	6/31	8/18	9/40	10/13	11/21	12/14
FR.DAR		EXTERNAL*							

DISK FILE CLAIM MECHANISMS
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2. 02/18/71 19.52.11.

PAGE 18

FR.DPSZ	S	EXTERNAL*					
FR.FLAG	S	EXTERNAL*					
FR.FPOZ	S	EXTERNAL*					
FR.FUND	S	EXTERNAL*					
FR.LEN	S	EXTERNAL*					
FR.LOCK	S	EXTERNAL*					
FR.MEMB	S	EXTERNAL*					
FR.NAME	S	EXTERNAL*					
FR.ONEL	S	EXTERNAL*					
FR.OPE	S	EXTERNAL*					
FR.ROOT	S	EXTERNAL*					
FR.SHAP	S	EXTERNAL*					
FR.SIZE	S	EXTERNAL*					
FR.SUSP	S	EXTERNAL*					
FR.WD1	S	EXTERNAL*					
FR.WD2	S	EXTERNAL*					
FR.WD3	S	EXTERNAL*					
FR.WRITE	B	EXTERNAL*					
GDSKDAT	S	EXTERNAL*					
GDSKHDP	S	EXTERNAL*					
GDSKPTR	S	EXTERNAL*					
GETDSK	S	EXTERNAL*					
GETRESP	S	EXTERNAL*					
GFILE	S	EXTERNAL*					
GF.APTF	S	EXTERNAL*					
GF.APTL	S	EXTERNAL*					
GF.DATE	S	EXTERNAL*					
GF.DATL	S	EXTERNAL*					
GF.DDSF	S	EXTERNAL*					
GF.DDSL	S	EXTERNAL*					
GF.HCHF	S	EXTERNAL*					
GF.HRHL	S	EXTERNAL*					
GF.IOTF	S	EXTERNAL*					
GF.IOTL	S	EXTERNAL*					
GF.LPN	S	EXTERNAL*					
GF.SUFS	S	EXTERNAL*	8/26 8/40	8/50 9/34	9/52 10/23	12/21 12/31	12/48
GF.SUFL	S	EXTERNAL*	8/26 8/40	8/50 9/34	9/52 10/23	12/21 12/31	12/48
GF.TRVF	S	EXTERNAL*					
HASH	S	EXTERNAL*					
HASHTRL	S	EXTERNAL*					
HBP	S	EXTERNAL*					
HRW	S	EXTERNAL*					
HEMTRY	S	EXTERNAL*					
HFTLF	S	EXTERNAL*					
HOLDRLK	S	EXTERNAL*					
TNTDAT	S	EXTERNAL*					
TOTBUF	S	EXTERNAL*					
TOTPL	S	EXTERNAL*					
TPLIST	S	EXTERNAL*					

DISK FILE CLAIM MECHANISMS
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2. 02/18/71 19.52.11.

PAGE 19

TPHILIST	0	EXTERNAL*	3/08 D	6/22 S	9/04 S	9/08	9/08	11/14 S	12/22
			4/23 S	6/22	9/04 S	9/08 S	9/28 S	11/14	12/34 S
			4/23 S	9/04 S	9/04 S	9/08 S	9/28 S	12/22 S	12/34 S
			4/23	9/04	9/04	9/08 S	9/28	12/22 S	12/34 S
			6/22 S	9/04 S	9/08 S	9/08 S	11/14 S	12/22 S	12/34
LFHADDR	0	EXTERNAL*	4/43	6/44	11/23				
LFT	0	EXTERNAL*							
LFTFREE	0	EXTERNAL*							
LH_EX	1		4/27	4/29	4/46	6/26	6/28	11/26	11/29
LH_SH	2		4/29	6/28	6/47	11/31			11/31
LOADRUF	0	EXTERNAL*							
LOCK	0	EXTERNAL*	9/14						
LOCTABR	0	EXTERNAL*							
LOCTABF	0	EXTERNAL*							
LOCTABL	0	EXTERNAL*							
L_MNCL	0	EXTERNAL*							
MATNCL	0	EXTERNAL*	9/04	9/08					
MAKEMAP	0	EXTERNAL*							
MARSHF	0	EXTERNAL*							
MKPTR	0	EXTERNAL*							
MOVELK0	0	EXTERNAL*							
MYCODE	0	EXTERNAL*							
MYDAR	0	EXTERNAL*							
MYEVCH	0	EXTERNAL*	9/04	9/08	9/28				
MYIDENT	0	EXTERNAL*	8/17	9/32					
MYRESP	0	EXTERNAL*							
MYSCRF	0	EXTERNAL*							
MYCURP	0	EXTERNAL*							
MYSWOCC	0	EXTERNAL*							
MYUNIT	0	EXTERNAL*							
M_ARFCH	0	EXTERNAL*							
M_ARBFIL	0	EXTERNAL*							
M_ACPEQ	0	EXTERNAL*							
M_ACRES	0	EXTERNAL*							
M_ACTCC	0	EXTERNAL*							
M_ADDS	0	EXTERNAL*							
M_ADDSK	0	EXTERNAL*							
M_ASUSP	0	EXTERNAL*							
M_AUTH	0	EXTERNAL*							
M_BFTLE	0	EXTERNAL*							
M_CLOCC	0	EXTERNAL*							
M_CLOSE	0	EXTERNAL*							
M_CLTIM	0	EXTERNAL*	9/04	9/08					
M_DAPL	0	EXTERNAL*							
M_DORED	0	EXTERNAL*							
M_DORSP	0	EXTERNAL*							
M_DFTLT	0	EXTERNAL*							
M_DOBJS	0	EXTERNAL*							
M_EMPTY	0	EXTERNAL*							
M_FCLEV	0	EXTERNAL*							
M_FDTSK	0	EXTERNAL*							
M_FHPL	0	EXTERNAL*							
M_FTLCI	0	EXTERNAL*							

DISK FILE CLAIM MECHANISMS
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2. 02/18/71 19.52.11.

PAGE 20

M.FRWCC	0	EXTERNAL*							
M.GETLF	0	EXTERNAL*							
M.HASHL	0	EXTERNAL*							
M.HFLP	0	EXTERNAL*							
M.HFTLF	0	EXTERNAL*							
M.JOCTP	0	EXTERNAL*							
M.LOCKS	0	EXTERNAL*							
M.MKCAP	0	EXTERNAL*							
M.OPCL	0	EXTERNAL*							
M.RBLFS	0	EXTERNAL*							
M.RETRY	0	EXTERNAL*							
M.SDISK	0	EXTERNAL*							
M.SLOTS	0	EXTERNAL*							
M.SHAB	0	EXTERNAL*							
M.TRMCC	0	EXTERNAL*							
M.TRYCC	0	EXTERNAL*							
M.TVRES	0	EXTERNAL*							
M.TWAIT	0	EXTERNAL*							
M.USNAME	0	EXTERNAL*							
M.USCTR	0	EXTERNAL*							
M.USPCO	0	EXTERNAL*							
M.WBLFS	0	EXTERNAL*							
M.ZASEC	0	EXTERNAL*							
NLOCKS	0	EXTERNAL*							
NORJS	0	EXTERNAL*	9/26						
NOOLOCK	0	EXTERNAL*							
NUMRESP	0	EXTERNAL*							
OPEN	0	EXTERNAL*							
OPENDR	0	EXTERNAL*							
OPENP	0	EXTERNAL*							
OPPERL	0	EXTERNAL*							
OPREBL	0	EXTERNAL*							
ORGANDR	0	EXTERNAL*							
OPGCLST	0	EXTERNAL*							
ORGMAP	0	EXTERNAL*							
PAGESW	0	EXTERNAL*							
PASSERR	0	EXTERNAL*							
PRP	0	EXTERNAL*							
PRW	0	EXTERNAL*							
PG.DDS	0	EXTERNAL*							
PG.DTY	0	EXTERNAL*							
PG.PG	0	EXTERNAL*							
PRDRF	0	EXTERNAL*							
PROCADR	0	EXTERNAL*							
PRVOPEN	0	EXTERNAL*							
PTR.COM	0	EXTERNAL*							
PTR.DDS	0	EXTERNAL*							
PTR.DTY	0	EXTERNAL*							
PTR.NUM	0	EXTERNAL*							
PTR.PTR	0	EXTERNAL*							
PBLFS	0	EXTERNAL*							
PEADCAP	0	EXTERNAL*	8/39	9/33	9/51	10/22	12/20	12/30	12/47

DISK FILE CLAIM MECHANISMS SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2. 02/18/71 19.52.11.

PAGE 21

DISK FILE CLAIM MECHANISMS
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2. 02/18/71 19.52.12.

PAGE 22

TADD	S	EXTERNAL*							
TEMPA	S	EXTERNAL*							
TEMPD	S	EXTERNAL*							
TEMPC	S	EXTERNAL*							
TEMPD	S	EXTERNAL*							
TEMPF	S	EXTERNAL*							
TEMPF	S	EXTERNAL*							
TEMPG	S	EXTERNAL*							
TEMPH	S	EXTERNAL*							
TEMPV	S	EXTERNAL*							
TEMPW	S	EXTERNAL*							
TEMPX	S	EXTERNAL*							
TEMPY	S	EXTERNAL*							
TEMPZ	S	EXTERNAL*							
TEMPA	S	EXTERNAL*							
TEMP1	S	EXTERNAL*							
TEMP1	S	EXTERNAL*							
TEMP11	S	EXTERNAL*							
TEMP2	S	EXTERNAL*							
TEMP3	S	EXTERNAL*							
TEMP4	S	EXTERNAL*							
TEMP5	S	EXTERNAL*	8/24 S 8/26	8/40 8/40	8/48 S 9/34	9/34 9/52	9/52 10/23	10/23 12/21	12/22 12/31
TEMP6	S	EXTERNAL*							12/48
TEMPA	S	EXTERNAL*							
TEMP7	S	EXTERNAL*							
TEMPR	S	EXTERNAL*							
TEMPQ	S	EXTERNAL*							
TEMPDOF	S	EXTERNAL*							
TEMPDWF	S	EXTERNAL*							
TERMRL	S	EXTERNAL*							
TR_DRIV	S	EXTERNAL*							
TR_LFLV	S	EXTERNAL*							
UDSKSCR	S	EXTERNAL*							
UNLOCK	S	EXTERNAL*	4/51	6/52	8/53	13/06	14/07	14/21	
UNLOCK4	S	EXTERNAL*							
USERPWF	S	EXTERNAL*							
USERRWL	S	EXTERNAL*							
USRPACK	S	EXTERNAL*							
ZRTCAP	S	EXTERNAL*	8/25	8/45	8/49	10/08	10/30	13/01	
ZROMAP	S	EXTERNAL*							
ZROMAPP	S	EXTERNAL*							

19.51.06. 02/18/71 TSS SCOPE 3.
19.51.08.CPU = 000 SEC : CM = 014000
19.51.11.GET.XTEXT.DISKSYS
19.51.13.FILE.XTEXT
19.51.13.PFL,50000
19.51.20.CPU = 000 SEC : CM = 050000
19.51.20.TEXT.OUTPUT
19.51.21.GET,SYSSURP,MICROS,,R0
19.51.21.GET,MACROS,DISKSYS,,R0
19.51.21.GET,SYMBOLS,DISKSYS,,R0
19.51.21.GET,PARAMS,DISKSYS,,R0
19.51.21.GET,DSKOPS,OPERS,,R0
19.51.21.GET,STACKS,DISKSYS,,R0
19.51.21.GET,DBITS,DISKSYS,,R0
19.51.21.GET,TYPES,DISKSYS,,R0
19.51.21.GET,ERRORS,DISKSYS,,R0
19.51.22.GET,DSKOPR,DISKSYS,,R0
19.51.22.GET,ACTNUMS,DISKSYS,,R0
19.51.22.GET,SYSCALI,MICROS,,R0
19.51.22.GET,CLAIM,DISKSYS
19.51.43.NOPASS,S=0,I=CLAIM
19.52.04.ASSEMBLING CLAIM
19.52.04.ASSEMBLING CLAIM
19.52.12. ASSEMBLY COMPLETE.
19.52.14.END
19.52.15.FIN
19.52.15.CPU TIME: 021.005 SECONDS
19.52.15.SYS TIME: 005.813 SECONDS
19.52.15.SYSTEXT : 999 LINES