File created:	10-Mar-88 14:59:38 **{ERINYES}<LISPUSERS>LYRIC>COURIERSERVEPATCH.;2**
changes to:	(FNS \SPP.ESTABLISH)
previous date:	9-Mar-88 16:56:49 {ERINYES}<LISPUSERS>LYRIC>COURIERSERVEPATCH.;1
Read Table:	INTERLISP
Package:	INTERLISP
Format:	XCCS

```
(RPAQQ COURIERSERVEPATCHCOMS ((FNS \SPP.ESTABLISH \SPP.CREATE.CON)
                                (DECLARE%: EVAL@COMPILE DONTCOPY (FILES (SOURCE)
                                                                         SPPDECLS))))
```

```
(DEFINEQ
```

(\SPP.ESTABLISH
```
  [LAMBDA (INITCON XIP)                                                ; Edited 10-Mar-88 14:58 by bvm
```

;;; The arrival of XIP causes this SPP connection to be established. Fix up state as appropriate

```
    (PROG (CON INSTREAM NAME)
          [COND
            ((NOT (fetch SPPSERVERFLAG of INITCON))
             (SETQ CON INITCON)                                        ; For user connection, need to update socket info, as server may
                                                                       ; have switched from a well-known socket to a private one.
             (\BLT (LOCF (fetch SPPDESTNSADDRESS0 of CON))
                   (LOCF (fetch XIPSOURCENET of XIP))
                   \#WDS.NSADDRESS))
            (T  ;; The connection was opened in server mode.  Create a new spp connection, and establish it to the remote side, spawning a new
                ;; process
             (COND
               ((\SPP.DUPLICATE.REQUEST XIP)                           ; We've already spawned a server for this source
                (RETURN)))
             (SETQ CON (\SPP.CREATE.CON))
             (\BLT (LOCF (fetch SPPDESTNSADDRESS0 of CON))
                   (LOCF (fetch XIPSOURCENET of XIP))
                   \#WDS.NSADDRESS)                                    ; Fill in address of port that contacted us
             [SETQ NAME (CONCAT (PROCESSPROP (fetch SPPPROCESS of INITCON)
                                             'NAME)
                                '+
                                (OCTALSTRING (fetch SPPSOURCESKT# of CON]
             (replace SPPATTENTIONFN of CON with (fetch SPPATTENTIONFN of INITCON))
                                                                       ; Copy some methods from the listener con
             (replace SPPWHENCLOSEDFN of CON with (fetch SPPWHENCLOSEDFN of INITCON))
             (replace SPPERRORHANDLER of CON with (fetch SPPERRORHANDLER of INITCON]
          (replace SPPDESTID of CON with (fetch (SPPXIP SOURCECONID) of XIP))
          (replace SPPSYSPKT of CON with NIL)                          ; Flush any cached sys packet, now out of date
          (replace SPPESTABLISHEDP of CON with T)
          (replace SPPSTATE of CON with \SPS.OPEN)
          (replace SPPDESTINATIONKNOWN of CON with T)
          (if NAME
              then                                                     ; Finally, get server going
              (SETQ INSTREAM (\SPP.CREATE.STREAMS CON))
              (\SPP.CREATE.WATCHER CON NAME)
              (WITH.MONITOR (fetch SPPLOCK of CON)                     ; Have to reply to the sender so he knows our id & socket
                 (\SPP.PROBE CON))
              (ADD.PROCESS (LIST (fetch SPPSERVERFN of INITCON)
                                 INSTREAM
                                 (SPPOUTPUTSTREAM INSTREAM))
                      'AFTEREXIT
                      'DELETE))
          (NOTIFY.EVENT (fetch SPPINPUTEVENT of CON])
```

(\SPP.CREATE.CON
```
  [LAMBDA (SKT#)                                                       ; Edited  9-Mar-88 16:00 by bvm
    ;; Creates an SPPCON object, initialized to be a connection from this machine, etc.  If SKT# is specified, we open that exact socket, else a random
    ;; user socket.
    (LET* ((NSOC (OPENNSOCKET SKT#))
           (CON (create SPPCON
                        SPPXIPLENGTH _ (+ \XIPOVLEN \SPPHEAD.LENGTH)
                        SPPXIPTYPE _ \XIPT.SPP
                        SPPSOURCEID _ (LOGOR 32768 (LOGAND (DAYTIME)
                                                           32767))
                        SPPMYNSOCKET _ NSOC
                        SPPSOURCESKT# _ (NSOCKETNUMBER NSOC)
                        SPPACCEPTNO _ \SPP.INITIAL.ALLOCATION)))
      (\BLT (LOCF (fetch SPPSOURCENSADDRESS0 of CON))
```

```
              \MY.NSADDRESS
              (SUB1 \#WDS.NSADDRESS))
        CON])
)

(DECLARE%: EVAL@COMPILE DONTCOPY

(FILESLOAD (SOURCE)
        SPPDECLS)
)

(PUTPROPS COURIERSERVEPATCH COPYRIGHT ("Xerox Corporation" 1988))
```

FUNCTION INDEX