

**NAME**

pprdpat - read pattern

**SYNOPSIS**

```
#include <ppsubs.h> /* pattern definitions and structs */
```

```
int pperrno; /* error type external */
```

```
int pprdpat(patfdes, patptr, maxsize, headptr)
int patfdes;
PPAT *patptr;
int maxsize;
struct PPHEAD *headptr;
```

**DESCRIPTION**

Pprdpat and ppfrdpat read the pattern part (part used by ppmatch(3L) and match(3L)) from a pattern file (patfdes or patstream). The pattern part is read into a buffer which must start on a 16 bit word boundary which is pointed to by patptr. This buffer area is maxsize bytes in size. Maxsize should have a value greater than or equal to the value returned by the ppatsiz(3L) subroutine.

**SEE ALSO**

ppopenpat(3L), ppgetpat(3L), ppattell(3L), ppatsiz(3L), pperrno(3L), pattern(5L)

**DIAGNOSTICS**

Normally this subroutine returns the number of bytes read. The subroutine returns a NULL when an error occurs. This subroutine will set the value of pperrno to one of the following values (defined in <ppsubs.h>) when a problem occurs.

**PPBADPAT** - The size of a particular part of the pattern is smaller than indicated in the pattern header (i.e., the pattern has been scribbled or altered), or the pattern header has erroneous information in it (i.e., the pattern header is not a pattern header or the pattern file has been scribbled or altered).

**PPOVRFLOW** - The part of the pattern to be read is larger than the buffer size as given in the subroutine call (maxsize). This was determined by comparing maxsize to the information in the pattern header. No attempt was made to read anything into the buffer.

**PPSYSERR** - A system call error occurred (usually read or seek problem). Check the value of the external variable errno. The pattern was not read in.

**BUGS**

If these subroutines are used to read pipes, then the seeks performed internal to the subroutines will most likely fail resulting in a PPSYSERR value in pperrno.