```
monitor Disk_Interface
  permanent variables for status, scheduling, and data transfer
  procedure use_disk(int cyl, transfer and result parameters) {
    wait for turn to use driver
    store transfer parameters in permanent variables
    wait for transfer to be completed
    retrieve results from permanent variables
  }
  procedure get_next_request(someType &results) {
    select next request
    wait for transfer parameters to be stored
    set results to transfer parameters
  }
  procedure finished_transfer(someType results) {
    store results in permanent variables
    wait for results to be retrieved by client
  }
}
```

Figure 5.15 Outline of disk interface monitor.