INT 13,2 - Read Disk Sectors

```
AH = 02
AL = number of sectors to read  (1-128 dec.)
CH = track/cylinder number  (0-1023 dec., see below)
CL = sector number  (1-17 dec.)
DH = head number  (0-15 dec.)
DL = drive number (0=A:, 1=2nd floppy, 80h=drive 0, 81h=drive 1)
ES:BX = pointer to buffer


on return:
AH = status  (see INT 13,STATUS)
AL = number of sectors read
CF = 0 if successful
   = 1 if error


- BIOS disk reads should be retried at least three times and the
  controller should be reset upon error detection
- be sure ES:BX does not cross a 64K segment boundary or a
  DMA boundary error will occur
- many programming references list only floppy disk register values
- only the disk number is checked for validity
- the parameters in CX change depending on the number of cylinders;
  the track/cylinder number is a 10 bit value taken from the 2 high
  order bits of CL and the 8 bits in CH (low order 8 bits of track):

  |F|E|D|C|B|A|9|8|7|6|5-0|  CX
   | | | | | | | | | |  '-----  sector number
   | | | | | | | '---------  high order 2 bits of track/cylinder
   '-----------------------  low order 8 bits of track/cyl number

- see   INT 13,A
```