```
process Idle {
  while (executing[i] == the Idle process) {
    while (ready list empty) Delay;
    lock ready list;
    if (ready list not empty) {
      remove descriptor from front of ready list;
      set executing[i] to point to it;
    }
    unlock ready list;
  }
  start the interval timer on processor i;
  load state of executing[i];   # with interrupts enabled
}
```

Figure 6.3 Code for the idle process.