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# OPTICAL DISK UNDER-RUN PROTECTION


## ABSTRACT

In an optical data storage device (10) for storing data on a removable optical disk in a continuous sequence of sectors or blocks, the input data buffer (30) may be subject to under-run. An under-run detector is disclosed (220) which is responsive to the buffered data comprising less than a sector of data for indicating an under-run, and a padding provider (230) is disclosed which is responsive to the under-run indication for providing padding characters for formatting into sectors. The sectors may be provided with headers indicating the sectors as padding. A reading device for reading the data sectors and providing the data to a host detects padding and prevents the padding data from transmission to the host.

Fig. 4


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