

ABSTRACT

**Title: METHOD AND APPARATUS FOR HIGH SPEED DATA RECOVERY
FROM CD-ROMS OR LIKE DISKS OF VARYING QUALITIES**

CD-ROMS of more or less poor quality, such as those having eccentric center holes or uneven weight distributions circumferentially, tend to overload tracking and focusing servos and hence to invite read errors and retries. Each CD-ROM on being loaded into a CD-ROM drive is therefore checked as to its quality preparatory to reading. Either or both of the servos may fail to keep the read beam under control if the disk is not of good quality. Such unlocking of either or both servos is detected in terms of the number of transducer output pulses, the magnitude of transducer output voltage, or the number of read errors, during a complete disk revolution.

(FIG.5)