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Nishimura et al.

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## [54] DISK COATING SYSTEM

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939; 901/43, 44

### [57] ABSTRACT

To improve the reliability, operating speed, size of equipment and economy, a disk coating system for forming a coating on a disk such as a compact disk is arranged to transfer disks to and from a pair of spinners with first and second disk transfer mechanisms. The coating system further has an intermittently rotating turntable, an apparatus for supplying a coating material to each disk on the turntable at a predetermined position, and a system for curing a coating layer on each disk. The spinners for removing an excess amount of the coating material are placed between the turntable and the curing system. The first transfer mechanism is for transferring disks from the turntable to the spinners, and the second transfer mechanism is for transferring disks from the spinners to the curing system. The two spinners are substantially equidistant from a predetermined disk position on the turntable. The first transfer mechanism has two arms extending in two directions diverging from a pivot at a predetermined angle. With both arms, this transfer mechanism can transfer disks from the predetermined disk position on the turntable alternately to the first and second spinners at a high speed.

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17 Claims, 5 Drawing Sheets

