

ABSTRACT

INTEGRATED CHUCK HOLDER AND CHUCK PLATE FOR OPTICAL DISC PLAYER

An integrated chuck holder and chuck plate apparatus, or chuck cup, which facilitates the clamping of an optical disc. The chuck cup has an indented center portion which is adapted to receive a magnet disposed on a raised portion of a spindle motor turn table in an optical reader. The shape and dimension of the center portion should be substantially similar to the raised portion on the turntable so there would be a relatively snug fit. The chuck cup also includes flat portions which make direct contact with the optical disc to clamp it in place, and cavities adjacent to the flat portions. To clamp the disc in place, the chuck cup is brought forward towards the magnet from a side of the disc opposite to the magnet. The disc is clamped in place when the magnet is inserted into the indented center portion, and the flat portions makes solid contact with the disc.

FIG. 3A

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