METHOD FOR MANUFACTURING DATA COMPACT DISKS WITH DOT MATRIX HOLOGRAMS

ABSTRACT

A method is disclosed for manufacturing data compact disks (16), each having the digital data and a hologram formed on one surface thereof. The method first determines the sizes of the digital data and the hologram, respectively, and the required areas on the surface thereof for storing the digital data and the hologram. A photoresist film (11) is formed on the surface of a glass substrate (10). The digital data and the hologram are recorded on the photoresist film (11). A thin metal layer (12) is formed on the photoresist film (11) by a sputtering technique. The thickness of the thin metal layer (12) is increased by an electroforming technique thereby forming a master disk (18). Finally, the master disk (18) is detached from the glass substrate (10) to make copies of the compact disk (18).

FIG. 3