ABSTRACT

METHOD OF FABRICATING A WORKPIECE FROM A SHEET OF MATERIAL

A method of fabricating a workpiece from a sheet of material to form an exterior right angle edge on the work piece. A sheet of material having a top surface and a bottom surface is provided. The top surface of the sheet of material is pressed with a die in which a contact surface of the die includes an interior right angle edge. The bottom surface of the sheet of material is pressed with a punch. The die and the punch force material from the sheet of material to flow into and fill a cavity defined by the contact surface of the die and the punch, so that the material in the cavity forms the exterior right angle edge of the workpiece. A hard disk drive base formed from a single sheet of material is provided. The hard disk base comprises a central segment having a top surface for supporting a spindle motor assembly of a hard disk drive, a first sidewall forming a right angle with the center segment, and a second sidewall forming a right angle with the center segment. The first and the second sidewalls are parallel to each other.

(Fig. 4A)