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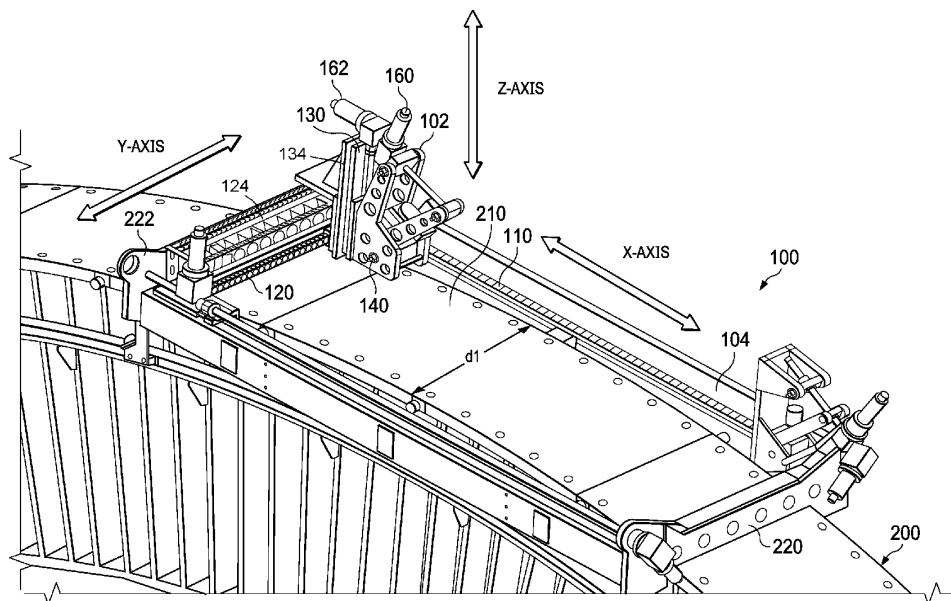


FIG. 1

(57) Abstract: A portable computer numerical control (CNC) machine is described. The CNC machine has an X-axis, a Y-axis, and a Z-axis, and comprises: a machine head, a base comprising a pair of X-axis guiding rails; a connecting beam and at least one Y-axis guide rail; a sub-assembly having a platform and at least one Z-axis guide rail on the platform; and a tool assembly secured to the platform of the sub-assembly, as well as corresponding X-Axis, Y-Axis and Z-axis clamps to allow the machine head to move along the X, Y, Z axes. The tool assembly of the CNC machine further allows the machine head to rotate about an axis that is perpendicular to the Z-axis.

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