

PRINthead FORCE ADJUST AND LIFT SYSTEM AND METHOD

ABSTRACT OF DISCLOSURE

The present disclosure is directed to a printhead assembly for use in a printer. The printhead assembly includes a printhead positioned to engage a platen roller of the printer and a printhead holder retaining the printhead. The printhead assembly also includes a cam shaft designed to rotate into an idle position and one or more active positions and a force cam connected to the cam shaft and positioned to apply a variable downward force to the printhead. The printhead assembly further includes lift cams connected to the cam shaft and positioned to engage the printhead holder. The force cam causes the printhead to apply a nip force to the platen roller when the cam shaft is in any of the active positions. The lift cams engage the printhead holder and move the printhead out of engagement with the platen roller when the cam shaft is in the idle position.

FIG. 9