

INJECTION MOLDING NOZZLE WITH PRESSED IN HEATING
ELEMENT AND INTEGRAL COLLAR PORTION

ABSTRACT OF THE INVENTION

An injection molding nozzle with an outer collar portion extending around the rear end of an inner core portion. The nozzle has an electrical heating element with a helical portion extending in a spiral groove in the outer surface of the inner core portion. An integral one-piece construction is provided without having to overheat the heating element by the combination of the helical portion of the heating element being press fitted and reshaped into the groove and the outer collar portion and the inner core portion being secured together by a thermosetting ceramic sealant.

FIG. 2