

5

Abstract of the Disclosure

APPARATUS AND METHOD FOR HEAT TREATING A BUSHING

Conventional methods for heat treating
10 cylindrical components such as track bushings involve
multiple steps. For example, many such methods
consist of carburizing, cooling, induction-hardening,
quenching, and tempering. The conventional methods
have proved to be costly because different heat
15 treating apparatus are required. This causes
duplicate handling and wasted manufacturing time. The
present invention provides an apparatus 30 for heat
treating a bushing 10 simultaneously from an outer
peripheral surface 12 and the pair of inner
20 circumferential surfaces 20.

Fig 1