

**ABSTRACT****METHOD FOR REPLACING CUTTERS OF TUNNEL-EXCAVATING MACHINE, METHOD FOR EXCAVATING TUNNEL, AND TUNNEL-EXCAVATING MACHINE**

Cutter spokes are disposed on a cutterhead of a tunnel-excavating machine. Movable blocks, each having a roller cutter, are movably supported by each of the cutter spokes while being connected one another by means of a connection link. A gate mechanism is attached to an end portion of each of the cutter spokes. A machine body is equipped with a roller cutter accommodation box such that through rotation of the cutterhead to a predetermined angular position, the roller cutter accommodation box can be selectively and removably engaged with the end portion of any one of the cutter spokes via the gate mechanism.

**Figure 1**