

CIRCUIT BREAKER AND OPENING AND CLOSING METHOD THEREOF

ABSTRACT

A reliable circuit breaker is provided which prevents a movable electrode shaft from rebounding in the course of current interruption by an electromagnetic repulsion driving mechanism. In a circuit breaker which comprises a first coil (vacuum valve) and an opening means for driving the operating shaft of the first coil toward an opening direction by electromagnetic repulsion, an electromagnet which holds the first coil closed by the attractive force of a permanent magnet is provided and in opening operation by electromagnetic repulsion, an electromagnetic repulsion coil and a second coil of the electromagnet are simultaneously excited.

FIGURE 1