

Abstract

This thesis is aimed at synthesizing the regulatory device of the automatic control system of the lifting mechanism EKG-8I. EKG-8I and work a more progressive and economical method of mining is an open method, labor productivity is several times higher, and the cost of production is lower than underground mining. Currently, the volume of mineral extraction in quarries significantly exceeds the volume of production in mines. In this work, only the technical characteristics of ECG-8I, causes, benefits, operating principle, as well as issues of its impact on the environment are discussed.