

SUMMARY

The diploma project is made on 77 pages, contains 30 figures, 7 tables.

The system of automatic control of productivity of the screw feeder is developed. The speed of the electric drive motor is regulated by means of the inverter-AD system.

As a result of the synthesis of the system, a PID regulator of the motor speed circuit is obtained. The efficiency of the developed control system is confirmed by the results of mathematical modeling using the Matlab software package.

SCREW FEEDER, ROTARY KILN, ELECTRIC DRIVE, ASYNCHRONOUS MOTOR, FREQUENCY CONVERTER, SYNTHESIS

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	Letter	№ of doc.	Sign.	Date				
Devel.	A. Ivanenko				<i>Electromechanical screw feeder control system for rotary kiln</i>	I.	Page	Pages
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					<i>SUMMARY</i>			