

SUMMARY

The diploma project contains 79 pages, 15 figures, 10 tables and a graphic part on 3 A1 sheets.

The analysis of technological process of billet rolling on crimping rolling mills and use of pressure devices in it is performed, engine power is calculated, synthesis of vector control system of IM position is performed, electromechanical systems by mathematical modeling method are investigated, power scheme and control system elements are described, efficiency justification is calculated direct current on an induction motor.

ELECTRIC DRIVE, INDOCTION MOTORS FREQUENCY CONVERTER,
VECTOR CONTROL, ENERGY OPTIMAL CONTROL, MATHEMATICAL
MODEL.

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Змн.	Лист	№ of document	Signature	Date	
Розроб.		P.Mordas			Electric drive of the pressing device of a crimping rolling mill
Checked by		O. Tolochko			
N. Contro.		S. Kovbasa			
Затверд.		S. Peresada			
					Lit. Page Pages
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