

SUMMARY

The diploma project contains: pages – 80, drawings – 33, tables – 7

In this diploma project the system of automatic control of the asynchronous electric drive of the robot-courier was designed. An analytical review was conducted. The choice of the engine is made. The functional scheme of the system is developed and the synthesis of regulators for vector control is carried out. A variant of energy-efficient system of automatic control of asynchronous electric drive is given, the simulation results confirmed the efficiency and effectiveness of the designed system. The calculation and implementation of this thesis project was provided through the use of the following programs: Microsoft Office Word 2016, Microsoft Office Visio 2013, Matlab R2009b,

AC ELECTRIC DRIVE, FREQUENCY CONVERTER, PULSE WIDTH MODULATION, ELECTRICITY SAVINGS, ROBOT-COURIER, COURIER

					<i>141.01080.026.BW</i>			
	<i>Letter</i>	<i>№ of doc..</i>	<i>Sign.</i>	<i>Date</i>				
<i>Devel.</i>	<i>M. Ivanov</i>				Automatic control system for asynchronous electric robot courier	<i>L.</i>	<i>Page.</i>	<i>Pages</i>
<i>Choked</i>	<i>B. Pryimak</i>					7	80	
<i>N.Contr</i>						<i>NTUU KPI them Igor Sikorsky AEMS-EP EP- g62</i>		
<i>Approved.</i>	<i>S.Peresada</i>							