THE SUMMARY

The diploma projectis is executed on 98 pages and contains 45 figures and 5 tables and 4 posters A1.

The purpose of the diploma project is the automation of the electric cableway by projecting a given route and choosing the optimal controlled asynchronous electric drive for it.

In carrying diploma project was decided following main objectives: modes and features designs cableway and parts of which they are composed, analysis of existing systems, forming requirements for electric drive and control system, study and choice of ED, calculation and selection of the power circuit electromechanical system, the development of a mathematical model of electromechanical system modeling electromechanical systems among MATLAB Simulink, the dynamic and static modes, the dynamic and static operating modes at different moments of stress.

Calculation and realization of the diploma project were provided by using the following software: MATLAB R2013b, Microsoft Office Word 2016, Microsoft Office Visio 2016, Mathcad 15, AutoCAD 2015.

CABLEWAY, ELECTRIC DRIVE, ASYNCHRONOUS MOTORS, FREQUENCY CONVERTERS, REGULATORS, MODELING, DESIGN OF THE ELECTRICAL PRINCIPLE.

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Chan	Sh.	№ docum.	Sign.	Date			
Designed		Demydov H.O.			*Automation electric drive of cableway*	Liter.	Sh. 8 / Scale
Checked		Pechenik M.V.					
Reader						NTUU «Igor Sikorsky Kyiv Polytechnic Institute», FEA, gr. EP-41	
R. control		Terayev V.I.					
Approve		Peresada S.M.					