

THE SUMMARY

The diploma project is executed on 75 pages and contains 26 figures and 4 tables 4 posters A1.

In carrying diploma project was decided following main objectives: modes and features designs escalators, analysis of patent and technical literature, forming requirements for electric drive and control system, study and choice of drive, 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, study the nature of the impact load escalator on the performance of dynamic operating modes.

Calculation and realization of the diploma project were provided by using the following software: MATLAB R2013b, Microsoft Office Word 2007, Microsoft Office Visio 2007, Mathcad 14, AutoCAD 2011, KOMPAS 3D 16.

ESCALATORS, INDUCTION MOTORS, SYNTHESIS, FREQUENCY CONVERTERS, REGULATORS, MODELING, DESIGN OF THE ELECTRICAL PRINCIPLE.

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<i>Chan</i>	<i>Sh.</i>	<i>Nº docum.</i>	<i>Sign.</i>	<i>Date</i>				
<i>Designed</i>		Lukashuk V.V.			The summary. Electric drive and automayion of escalator.	<i>Liter.</i>	<i>Sh.</i>	<i>Scale</i>
<i>Checked</i>		Pechenik M.V.				8		
<i>Reader</i>		Haidenko Y.A.				NTUU «KPI», FEA, gr. EP-22		
<i>R. control</i>		Teryaev V.I.						
<i>Approve</i>		Peresada S.M.						