

CONTENTS

VOLUME 76

NUMBER 5

2005

RUSSIAN ELECTRICAL ENGINEERING

	PAGES	
	RUSSIAN/ENGLISH	
Production of standard asynchronous motors at VEMZ facilities. A. E. Kravchik, O. V. Kruglikov, M. V. Lazarev, and A. M. Rusakovskii	3	1
Agent-oriented programming and frame representation of knowledge regarding an electrical machine in intelligent CAD systems. A. S. Kobelev	8	7
Experience with pro/engineer software in the automated design of electrical machines. O. V. Kruglikov, A. M. Zaitsev, M. S. Dragomirov, A. V. Vershinin, and I. S. Sizhanov	14	14
Frame representation of knowledge for the organization of intelligent CAD systems for electrical machines. A. S. Kobelev	18	18
Selection of the number of motor slots in elevator drives. V. I. Afonin	24	23
Vibrational and noise activity of elevator motors. V. I. Afonin	28	29
Tractional asynchronous motors for light-rail drives. S. V. Piskunov, V. S. Voroshilov, and V. A. Polyakov	32	34
Asynchronous motors for nuclear-plant equipment. V. S. Voroshilov, M. I. Golembiovskii, V. V. Zhirov, and S. V. Piskunov	34	37
Frequency-controlled asynchronous motors for nuclear plants in special operating conditions. M. V. Andrianov, E. E. Malyshev, and R. V. Rodionov	37	40
Special three-phase asynchronous motors for frequency-controlled drives. V. A. Vasil'chenko, A. V. Vershinin, A. M. Zaitsev, and I. S. Sizhanov	42	46
Application of new frequency converters in an object-oriented drive. A. B. Vinogradov, A. N. Sibirtsev, and V. L. Chistoserdov	47	52
Control algorithms for a switched-reluctance drive that reduce torque nonuniformity. V. A. Shabaev, M. V. Lazarev, and A. V. Zakharov	54	59
Calculation of losses in the steel, saturation, and the skin effect when simulating dynamic processes in a frequency-controlled asynchronous drive. A. B. Vinogradov	57	63
Noise sources in a switched-reluctance motor. V. A. Shabaev	62	69