

## **Schemes, designs of converters and control algorithms of traction electric drives**

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In the report are shown schemes and designs power integrated intellectual DC-AC converters, which are a part of a complete traction electric equipment (CTEE) for electromechanical transmissions (EMT) for various vehicles. The algorithms of frequency and vector management realised in microcontrollers of these converters are described. Results of bench and field tests CTEE EMT as a part of various vehicles are resulted.