The diagram illustrates a system divided into an electromagnetic subsystem and a mechanical subsystem. The electromagnetic subsystem consists of a source of emf $U_R$, a resistor $R_A$, a capacitor $L_A$, and a motor with angular velocity $\omega_A$ and torque $M_A$. The mechanical subsystem includes a load $J$, a gearbox with angular velocity $\omega_K$, and an output $v$ with external torques $M_R$ and $M_F$. The diagram shows the flow of energy and forces between these subsystems.