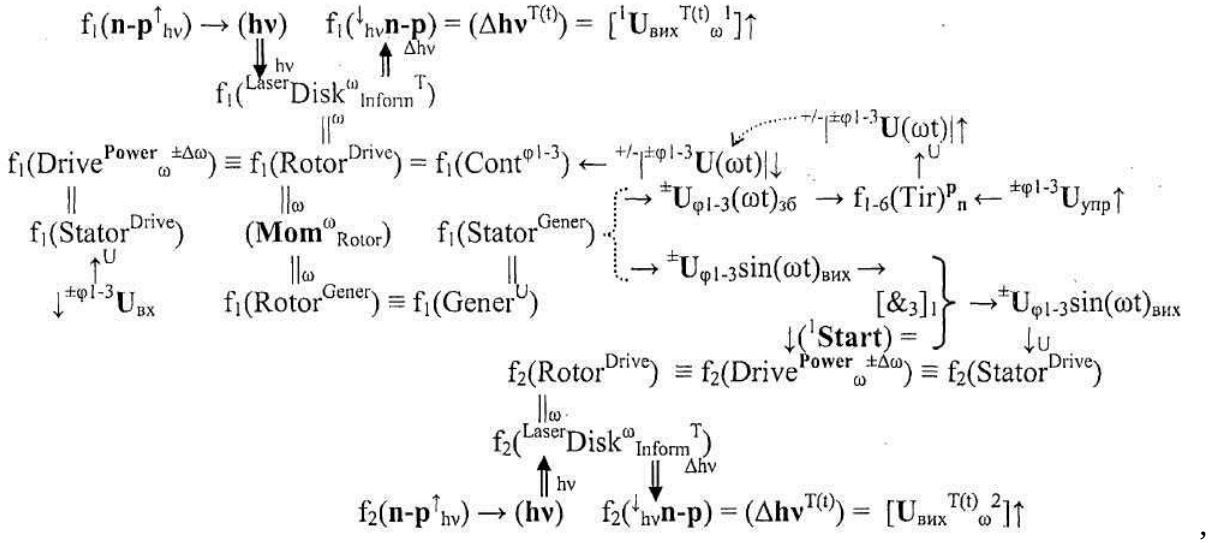
Method for proactive changing of excitation voltage $^{\pm}U_{\varphi 1\text{-}3}(\omega t)_{зб}$ and output energy voltage argument $^{\pm}U_{\varphi 1\text{-}3}\sin(\omega t)_{вих}$ of generator $f_1(Gener^{U})$ upon connection of asynchronous drive $f_2(Drive^{Power}{}_{\omega}{}^{\pm\Delta\omega})$, wherein functional relations of drive $f_1(Drive^{Power}{}_{\omega}{}^{\pm\Delta\omega})$, asynchronous drive $f_2(Drive^{Power}{}_{\omega}{}^{\pm\Delta\omega})$ and functional structure of generator $f_i(Gener^{U})$ are implemented in accordance with mathematical model of the form



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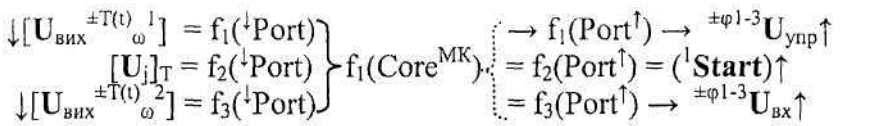
in which input arguments are formed in accordance with analytical expression of the form



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