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(54) Title: PREDICTIVE PULSE WIDTH MODULATION FOR AN OPEN DELTA H-BRIDGE DRIVEN HIGH EFFICIENCY
IRONLESS PERMANENT MAGNET MACHINE

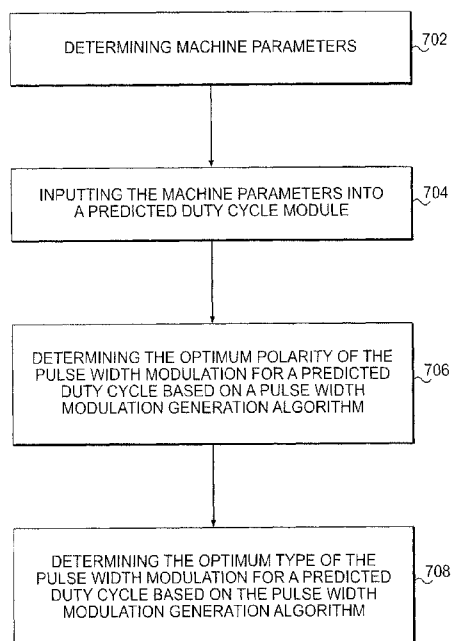


FIG. 7

(57) Abstract: Embodiments of the present method and system permit an effective method for determining the optimum selection of pulse width modulation polarity and type including determining machine parameters, inputting the machine parameters into a predicted duty cycle module, determining the optimum polarity of the pulse width modulation for a predicted duty cycle based on a pulse width modulation generation algorithm, and determining the optimum type of the pulse width modulation for a predicted duty cycle based on the pulse width modulation generation algorithm.



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