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(54) **MOTOR CONTROLLER AND METHOD FOR OPERATING A MOTOR CONTROLLER**

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See application file for complete search history.

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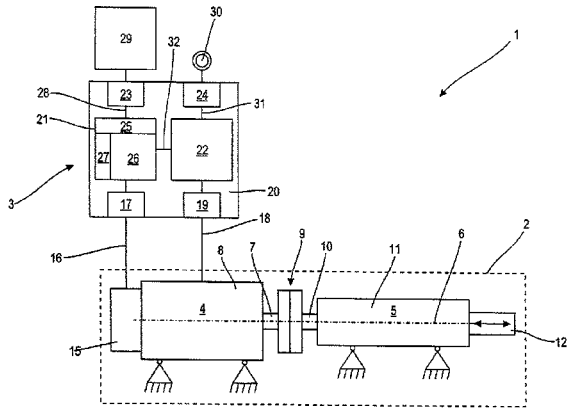
(57) **ABSTRACT**

A motor controller including a control unit designed for receiving and/or processing a movement signal and for outputting a control signal depending on the movement signal, and including a power stage which is designed for enabling an electric energy flow as a function of the control signal, and further including a sensor designed for detecting a movement of the electric motor and for providing a movement-dependent sensor signal to a sensor input of the control unit, wherein the control unit is designed for detecting a usage-dependent load value for a movement system driven by the electric motor and wherein the control unit includes a component memory for storing parameters of components of the movement system, a processing device for combining the parameters with incoming sensor signals to produce a load value and a load value memory for storing the established load value.

11 Claims, 2 Drawing Sheets