



PCT

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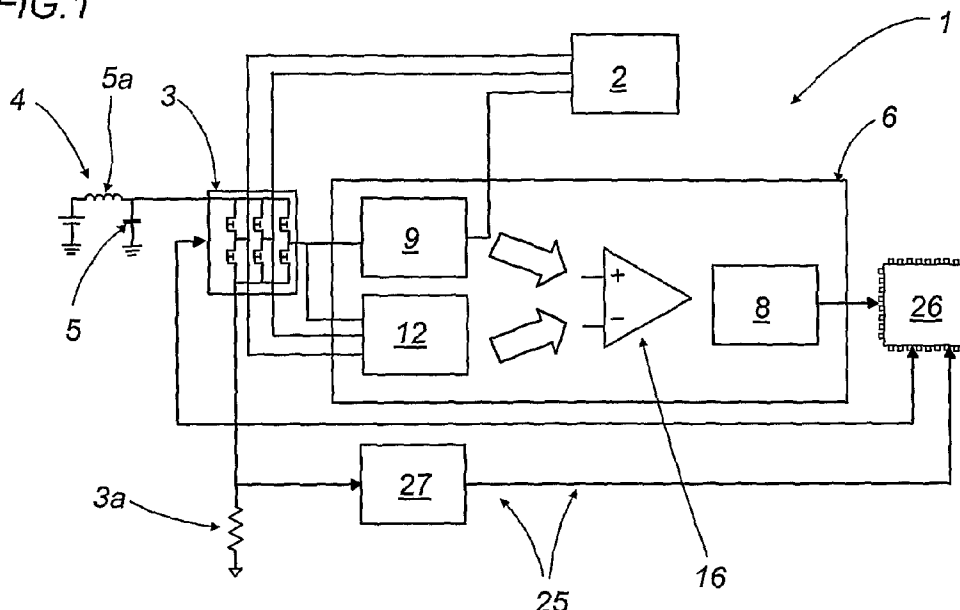
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(54) Title: ELECTRIC DRIVE AND METHOD FOR CONTROLLING IT

FIG. 1



(S7) Abstract: An electric drive (1) comprises: a permanent magnet brushless motor (2), a motor (2) power supply bridge (3), a circuit for controlling the power supply bridge (3) according to rotor position and phase currents (I_s); the drive (1) comprises a circuit (6) for detecting the zero crossings of the induced counter electromotive force (E_s) in the stator windings to determine the position of the rotor and a circuit (25) for indirectly detecting the amplitudes of the phase currents (I_s).