Claims

1. Vacuum pump drive comprising

an electric motor (12) driving the rotor of a vacuum pump,

a first frequency converter (16) connected to the electric motor (12) and configured to generate a motor input voltage for driving the electric motor (12) from a mains supply voltage,

at least one second frequency converter (18) that is also configured to generate a motor input voltage of a variable frequency from a mains supply voltage, in order to drive the motor according to the frequency of the motor input voltage,

characterized in that

the second frequency converter (18) is provided with a measuring device (24), which is provided for measuring the motor input voltage generated by the first frequency converter (16) and/or the related motor input current, in order to synchronize the second frequency converter (18) with the first frequency converter (16), and

characterized in that each frequency converter (16, 18) comprises a separate control unit (20, 22) for controlling the respective frequency converter, there existing no communication link between the frequency converters (16, 18) for their synchronization.

2. Vacuum pump drive of claim 1, characterized in that no data link for the synchronization of the frequency converters (16, 18) exists between the two frequency converters (16, 18).

3. Vacuum pump drive of claim 1 or 2, characterized in that the measuring device (24) measures the current and/or the voltage in the connecting line

(14) between the first frequency converter (16) and the electric motor (12).