

ABSTRACT

Apparatus with two components being movable relative to each other and a device for simultaneous transfer of electric power and information between these components

The invention relates to an apparatus with a device for simultaneous transfer of electrical power and information between two components being movable to each other and preferably comprising a stationary and a movable component. According to the invention the apparatus includes a transfer device for the common transfer of power and information, with a primary coil arrangement (5, 6) mounted on one of the components and a secondary coil arrangement (11) mounted on the other component, a power supply (35, 41, 59) connected to the primary coil arrangement (5, 6) and based on pulse width modulation, and means (71, 72) for modifying signals generated by the power supply in dependence on the information to be transferred. The information can be transferred both from the one component to the other component and vice versa.

Figure 6



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