ABSTRACT

The high frequency identification medium IM with passive, electronic data carrier MI contains a processor, a control electronics and a memory, as well as a receiving antenna (15) for receiving operating energy and for the contactless transmission of HF signals (20) to an associated write and read station WR with a transmitting antenna (24). The carrier frequency fr determined by the transmitting antenna is above 1 MHz in order to be able to achieve high communications efficiencies. An external capacitance Ce is connected in parallel with the receiving antenna (15), the capacitance Ce being higher than the internal capacitance Ci of the data carrier MI and is preferably much higher. This leads to much better communications efficiencies, especially for small identification media.

(Fig. 1)