Claims

1. An antenna for an RFID tag which comprises the antenna and an IC chip connected directly thereto, the antenna being formed of a silver conductive film which contains 30-50 % by volume of a sintered body of silver particles and which has a thickness of 1.4-6 μm, a surface resistivity of 0.01-0.43 Ω/□ and a volume resistivity of 3-100 μΩ·cm.

2. A method for producing an antenna for RFID tag formed of a silver conductive film, the method comprising the steps of:

preparing a silver particle dispersing solution which contains 50-70 % by weight of silver particles;

applying the silver particle dispersing solution on a substrate; and

sintering the silver particle dispersing solution on the substrate to form a silver conductive film as set forth in claim 1.

3. A method for producing an antenna for RFID tag formed of a silver conductive film as set forth in claim 2, wherein said applying of said silver particle dispersing solution on the substrate is carried out by flexographic printing.

4. A method for producing an antenna for RFID tag formed of a silver conductive film as set forth in claim 3, wherein said applying of said silver particle dispersing solution on the substrate is carried out by repeating the flexographic printing a plurality of times.

5. A method for producing an antenna for RFID tag formed of a silver conductive film as set forth in claim 3, wherein said applying of said silver particle dispersing solution on the substrate is carried out by repeating the flexographic printing twice to four times.

6. A method for producing an antenna for RFID tag formed of a silver conductive film as set forth in any one of claims 2 through 5, wherein said silver particles have an average particle diameter of 20 nm or less.