Claims

1. An antenna for RFID tag formed of a silver conductive film which contains 30~~10~~-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. An antenna for RFID tag as set forth in claim 1, wherein the amount of said sintered body of silver particles contained in said silver conductive film is 30-50 % by volume.~~

~~3~~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.

~~4~~3. A method for producing an antenna for RFID tag formed of a silver conductive film as set forth in claim ~~3~~2, wherein said applying of said silver particle dispersing solution on the substrate is carried out by the flexographic printing.

~~5~~4. A method for producing an antenna for RFID tag formed of a silver conductive film as set forth in claim ~~4~~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.

~~65~~5. A method for producing an antenna for RFID tag formed of a silver conductive film as set forth in claim ~~43~~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.

~~76~~6. A method for producing an antenna for RFID tag formed of a silver conductive film as set forth in any one of claims ~~32~~2 through ~~65~~5, wherein said silver particles have an average particle diameter of 20 nm or less.

~~87~~7. An RFID tag comprising an antenna for RFID tag as set forth in claim 1, and an IC chip.