CLAIMS

1. Black composite particles represented by the composition formula:

$TiNxOy \cdot zX$

(wherein X is a metal atom; x is a number greater than 0 and less than 2; y is a number not less than 0 and less than 2; and z is a number greater than 0 and less than 10).

2. The black composite particles according to claim 1, wherein the oxygen content of said black composite particles is not more than 10% by mass.

3. The black composite particles according to claim 1 or 2, wherein said X is at least one selected from copper, silver, gold, platinum and tin, and alloys of two or more of these metals.

4. The black composite particles according to claim 3, wherein said X is silver.

5. The black composite particles according to any one of claims 1 to 4, wherein the content of silver in said black composite particles is not less than 5% by mass and not more than 50% by mass, based on the total mass of the black composite particles.

6. The black composite particles according to any one of claims 1 to 5, wherein the specific surface area measured by BET method is not less than $5m^2/g$ and not more than 100 m^2/g.

~~7. The black composite particles according to any one of claims 1 to 6, wherein said black composite particles are produced through the step of mixing and condensing Ti and X in a vapor state.~~

~~8. The black composite particles according to claim 7, wherein said black composite particles are produced by subjecting Ti powder and X metal powder to thermal plasma using a nitrogen-containing gas as plasma gas.~~

97. A black resin composition comprising at least a light shielding agent, a resin,

and a solvent, wherein the composition contains at least the black composite particles according to any one of claims 1 to ~~86~~ 6 as the light shielding agent.

~~108~~ 8. A color filter substrate comprising a resin black matrix formed by applying the black resin composition according to claim ~~97~~ 7 on a substrate and patterning the substrate.

~~119~~ 9. A liquid crystal display comprising the color filter substrate according to claim ~~108~~ 8.