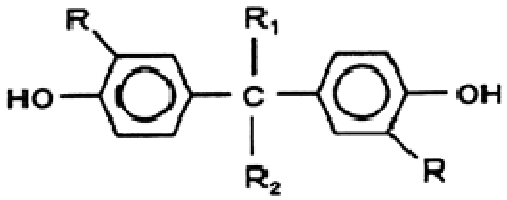
CLAIMS

1. An oil-based ink composition for a writing instrument, characterized by comprising a dye, an organic solvent, and a phenolic compound of the following general formula (1):

[Chem 1]



(1)

wherein,

R is each independently hydrogen or an alkyl group having 1 to 5 carbon atoms,

R_1 is any of an alkyl group having 1 to 5 carbon atoms, a halogenated alkyl group having 1 to 5 carbon atoms, a phenyl group, a hydroxyphenyl group, and an alkyl group having 1 to 5 carbon atoms substituted by a hydroxyphenyl group, and

R_2 is any of a halogenated alkyl group having 1 to 5 carbon atoms, a phenyl group, a hydroxyphenyl group, and an alkyl group having 1 to 5 carbon atoms substituted by a hydroxyphenyl group; and

wherein the phenolic compound having electron donating substituents, R_1 and R_2, interacts with the dye in the ink composition to prevent dissolution of the dye in water.

2. The ink composition according to claim 1, wherein the content of the phenolic compound is 0.5 to 10% by mass based on the total mass of the ink composition.

3. The ink composition according to claim 1 or 2, wherein the dye is a solvent dye.

4. The ink composition according to any one of claims 1 to 3, wherein a vapor pressure of the organic solvent at 20°C is 10 to 50 mmHg.

5. The ink composition according to any one of claims 1 to 4, wherein a boiling point of the organic solvent is 160 to 250°C.

6. The ink composition according to any one of claims 1 to 5, further comprising a resin.

7. The ink composition according to claim 6, wherein the resin is a ketone resin

8. The ink composition according to any one of claims 1 to 7, further comprising a sucrose fatty acid ester.

9. A writing instrument, comprising the oil-based ink composition for a writing instrument according to any one of claims 1 to 8.

10. The writing instrument according to claim 9, selected from the group consisting of marking pens and ballpoint pens.