

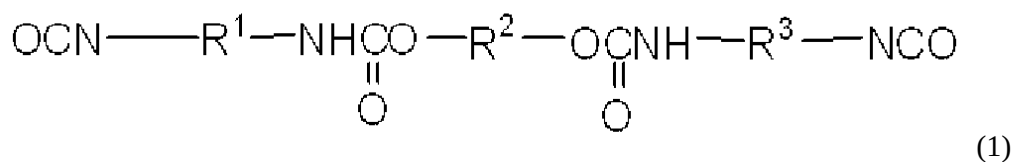
[ABSTRACT]

PIGMENT DISPERSION AND AQUEOUS INK FOR INKJET RECORDING

There is provided a pigment dispersion including water, an aqueous polymer and a pigment as essential components,

- 5 wherein the aqueous polymer is a carboxyl group-containing polyurethane which is formed by reacting a diol compound, a diisocyanate compound and a reaction product, which is mainly composed of a compound represented by general formula (1) and prepared by reacting a diol compound having one or two carboxyl groups within each molecule with a diisocyanate compound and which also has a reaction index as
- 10 calculated by (Formula 1) within a range from 0.95 to 1.10.

[Chemical Formula 1]



Reaction index = (reaction rate of isocyanate group) × [(number of moles of diisocyanate compound (B)) / (number of moles of diol compound (A))]

15 (Formula 1)