CLAIMS

1. A filter medium for a water treatment filter,

comprising a porous base material having a hydrophilic coating layer;

wherein the hydrophilic coating layer has a cross-linked hydrophilic polymer and a high electron density part;

a hydrophilic polymer in the cross-linked hydrophilic polymer is cross-linked with an aliphatic saturated hydrocarbon group which may contain one or more functional groups selected from a group consisting of an ether group, a hydroxy group and an amino group;

the high electron density part has π electrons; ~~and~~

the high electron density part is covalently bonded to the cross-linked hydrophilic polymer; and

the porous base material, the main chain of the cross-linked hydrophilic polymer and the main chain of the cross-linking chain of the cross-linked hydrophilic polymer do not have π electrons.

2. The filter medium for a water treatment filter according to claim 1, wherein the high electron density part has one or more selected from a group consisting of an aliphatic unsaturated hydrocarbon group, an aromatic hydrocarbon group, a heteroaromatic hydrocarbon group, a carbonyl group, a nitrile group, a sulfoxide bond, a sulfonyl bond and a sulfonic group.

3. The filter medium for a water treatment filter according to claim 1 or 2, wherein the high electron density part has an amide bond.

coating layer, thereby improving the oxidation resistance property against an oxidizing agent used for washing the water treatment filter, wherein a hydrophilic polymer in a cross-linked hydrophilic polymer is cross-linked with an aliphatic saturated hydrocarbon group which may contain one or more functional groups selected from a group consisting of an ether group, a hydroxy group and an amino group, and the porous base material, the main chain of the cross-linked hydrophilic polymer and the main chain of the cross-linking chain of the cross-linked hydrophilic polymer do not have π electrons.