

**ANTIMICROBIAL IONOMER COMPOSITION AND USES THEREOF****ABSTRACT**

5

The invention concerns a polymeric antimicrobial composition, a method of producing the same and the uses thereof. The ionomer composition comprises an amine functional polymer compound reacted with silver halide, optionally together with a stabilizing component, such as an organic substance carrying a sulfonamide functional group. The ionomer composition can be

10

obtained by reacting together (i) at least one polyamine and silver halide and optionally at least one organic stabilizer substance or; (ii) at least one polyamine, at least one non-halide silver salt or silver complex, hydrogen halide and/or alkaline metal halide salt and optionally at least one organic stabilizer substance. The present ionomer composition is suitable for use as an antimicrobial coating, antimicrobial finish, antimicrobial additive and as antimicrobial component for formation of new antimicrobial

15

materials.

[No suitable figure]