

Abstract

Radiator Unit for Generating Ultraviolet Radiation and Method for its Production Thereof

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Known radiator units for generating ultraviolet radiation, particularly for use in food processing or for the treatment of water, have a UV radiator having a radiator tube
10 made of quartz glass or a UV radiator surrounded by a cylindrical jacket tube made of quartz glass having a radiator tube made of quartz glass. Starting from this background, in order to provide a radiator unit for generating ultraviolet radiation, which is suitable for emitting a high radiation power and is also simple and economical to produce, it is proposed according to the invention that a contaminant
15 and water-repellent coating be applied to the radiator tube and/or the jacket tube, wherein this coating is generated under use of silicon dioxide or titanium dioxide nanoparticles.