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(54) **PROCESS FOR PRODUCING A LIQUID EJECTION HEAD**

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See application file for complete search history.

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(57) **ABSTRACT**

A process for producing a liquid ejection head having a substrate and an ejection orifice forming member having an ejection orifice for ejecting liquid, including forming, on the substrate, a photocationically polymerizable resin layer which includes a photocationically polymerizable resin material and becomes the ejection orifice forming member; laminating, on the uncured photocationically polymerizable resin layer, a layer containing a condensation product of a hydrolyzable silane compound having a cationically polymerizable epoxy group and a hydrolyzable silane compound having a fluorine-containing group; laminating a water-repellent layer including a hydrolyzable silane compound having a perfluoropolyether group on the condensation-product-containing layer; subjecting the photocationically polymerizable resin layer, condensation-product-containing layer, and water-repellent layer to pattern exposure; collectively curing exposed portions of the photocationically polymerizable resin layer, condensation-product-containing layer, and water-repellent layer; and removing non-exposed portions of the photocationically polymerizable resin layer, condensation-product-containing layer, and water-repellent layer to form the ejection orifice.

11 Claims, 2 Drawing Sheets

