

## **ANTI-CORROSION LAYER ON OBJECTIVE LENS FOR LIQUID IMMERSION LITHOGRAPHY APPLICATIONS**

### **ABSTRACT**

[0041] Disclosed is an objective lens adapted for use in liquid immersion photolithography and a method for making such a lens. In one example, the objective lens has multiple lens elements, one of which includes a transparent substrate and a layer of anti-corrosion coating (ACC). The ACC is formed proximate to the transparent substrate and is positioned between a liquid used during the liquid immersion photolithography and the transparent substrate to protect the transparent substrate from the liquid.

Fig. 2