

## **EUV RETICLE POD**

### **ABSTRACT**

An EUV reticle pod is provided. The pod includes an inner and an outer box assembly. The inner box assembly contained in the outer box assembly includes a base and a cover. The base has an upper surface and a surrounding wall. The upper surface includes a carry surface, at least one trench, and a first contacting surface. The EUV reticle is carried above the carry surface. The trench has a circular loop structure and its bottom is lower than the carry surface. The carry surface, the trench, and the first contacting surface are sequentially distributed from the center of the upper surface towards the surrounding wall. The cover has a concave for accommodating the EUV reticle and a second contacting surface for cooperating with the first contacting surface to form an air-tight seal. The trench captures and traps particles to reduce the particle contamination on the reticle.

Fig. 1