ABSTRACT

An elastic membrane having a physical property required for each portion of the elastic membrane and capable of uniformly polishing a workpiece is disclosed. The elastic membrane includes: a contact portion having a workpiece pressing surface for pressing a workpiece against a polishing surface; and a partition wall extending upward from the contact portion and forming a pressure chamber. The contact portion and at least a part of the partition wall are composed of a first rubber structure and a second rubber structure which are integrally formed, the first rubber structure has a first hardness, and the second rubber structure has a second hardness lower than the first hardness, the first rubber structure includes the workpiece pressing surface, and the second rubber structure includes the at least a part of the partition wall.

FIG. 3