A Mechanical Stretching Device

ABSTRACT

The present invention is directed to a mechanical stretching device, comprising a stretchable substrate comprising at least one stretching material area within which a stretching material is placeable, and two engagement areas being located at opposite ends of the stretchable substrate, respectively, two movable elements, each of which comprising an engagement portion, wherein each of the engagement portions is capable of engaging with one of the engagement areas, and two motors, each of which being configured to drive one of the movable elements, wherein the movable elements are movable by the motors such that the engagement portions cause, after having engaged with the engagement areas, either one end or both ends of the stretchable substrate to be stretched, wherein the ends of the stretchable substrate are to be stretched along opposite directions with respect to each other.

Figure 7