ABSTRACT

A conditioning device with pressure detection, comprising: a conditioner driving unit (2); a conditioner execution unit (3), wherein the conditioner execution unit (3) is connected to the conditioner driving unit (2) by means of an output shaft (4) and can be driven by the conditioner driving unit (2) to circumferentially rotate about its own axis, and the conditioner execution unit (3) can be moved by a conditioner base (1) to generate an axial downward pressure; a sensor (5); and a dynamic force transmission unit (6), which is arranged between the sensor (5) and the conditioner execution unit (3), at least partially cooperates with the sensor (5) for mounting and positioning of the sensor (5), and is at least partially in contact with both the conditioner execution unit (3) and the sensor (5), so as to transmit the axial pressure of the conditioner execution unit (3) to the sensor (5) while maintaining the relatively stationary state of the sensor (5). By means of the provision of the dynamic force transmission unit (6), the rotation of the conditioner execution unit (3) and the downward pressing of the conditioner execution unit (3) on a polishing pad are separated independently, thereby ensuring that the sensor (5) can accurately feed back the downward pressure.

FIG. 1