

ABSTRACT**METHOD OF CONTROLLING PRESSURE IN A CHAMBER, APPARATUS FOR THE SAME, AND EXPOSURE APPARATUS**

A method of controlling pressure in a chamber, wherein the pressure in a chamber in which measurement such as laser measurement is conducted is maintained at a set pressure with respect to fluctuations in external atmospheric pressure, characterized by comprising: detecting the external atmospheric pressure, obtaining a long-term flat pressure value with respect to short time fluctuations of the detected external atmospheric pressure, creating a set pressure in the chamber by adding a predetermined pressure to the obtained pressure value, and detecting the pressure in the chamber while introducing external air so that the pressure in the chamber reaches the set pressure.