

ABSTRACT

A heating device and a semiconductor processing apparatus for heating susceptor are provided. The heating device has a central region and multiple annular regions around a susceptor, and includes: in each annular region, multiple heating lamps evenly distributed along a circumferential direction of the annular region, and an annular reflective plate disposed on a side of the heating lamps away from the susceptor; and a reflective assembly disposed on a side of each of the annular regions adjacent to the central region; the reflective assembly includes multiple reflective plates corresponding one-to-one with the heating lamps in the corresponding annular region; the reflective plates extend from the annular reflective plate toward the susceptor to confine the light emitted from the corresponding heating lamp into a preset area of the susceptor; and the reflective assembly is configured to position the preset regions corresponding to the heating lamps within different radial ranges of the susceptor.