

radiation having a maximum intensity in a wavelength range from 380 nm to 650 nm.

In preferred embodiments of the apparatus according to the present invention, the LED heating elements emit
5 radiation in a wavelength range from 380 nm to 650 nm.

In preferred embodiments of the apparatus according to the present invention, the heating assembly is positioned relative to the rotary chuck so as to heat a wafer shaped article held on the rotary chuck from one side only and
10 without contacting the wafer shaped article.

In preferred embodiments of the apparatus according to the present invention, the heating assembly overlies the rotary chuck and is positioned between the rotary chuck and a surface of a wafer-shaped article that faces the rotary
15 chuck when mounted on the rotary chuck.

In preferred embodiments of the apparatus according to the present invention, the liquid dispenser comprises an arm that is movable relative to the rotary chuck from a more central region of the rotary chuck to a more peripheral
20 region of the rotary chuck.

In preferred embodiments of the apparatus according to the present invention, a plate that is transparent to radiation emitted by the radiant heating elements is mounted for rotation with the rotary chuck and is positioned between
25 the heating assembly and a wafer-shaped article when

8. The apparatus according to claim 1, wherein said heating assembly is positioned relative to said rotary chuck so as to heat a wafer shaped article held on said rotary chuck from one side only and without contacting the wafer shaped article.

9. The apparatus according to claim 1, wherein said heating assembly overlies said rotary chuck and is positioned between said rotary chuck and a surface of a wafer-shaped article that faces the rotary chuck when mounted on the rotary chuck.

10. The apparatus according to claim 9, wherein said liquid dispenser comprises an arm that is movable relative to said rotary chuck from a more central region of said rotary chuck to a more peripheral region of said rotary chuck.

11. The apparatus according to claim 1, further comprising a plate that is transparent to radiation emitted by said radiant heating elements, said plate being mounted for rotation with said rotary chuck and being positioned between said heating assembly and a wafer-shaped article when positioned on said rotary chuck.