

## WAFER OPTICAL RECOGNITION SYSTEM

### ABSTRACT OF THE DISCLOSURE

The wafer optical recognition system includes an imaging device for capturing the graphical and textual information on a semiconductor wafer, a  
5 light-emitting device equipped with multiple light-emitting elements, a circuit board capable of recognizing graphical and textual information and controlling the operation of the light-emitting elements, and a light refraction device that refracts the light emitted by the light-emitting elements. When the graphical and textual information on the wafer cannot be clearly captured by the imaging  
10 device due to its angle, the light emitted by the light-emitting elements can pass through the light refraction device, enhancing or optimizing the illumination of the graphical and textual information. Additionally, the user can adjust the light-emitting elements via the circuit board, ensuring that any illumination-related issues affecting the graphical and textual information are  
15 effectively resolved.

FIG. 6