

Artificial Candle Apparatus

ABSTRACT

An artificial candle apparatus comprises a hollow housing wherein a retaining shell, a retaining base and a bottom base reside; a flame simulating device housed in an interior space of the housing; an aroma fragrance transport system within the housing; and a power supply device. The flame-simulating device includes a cambered flame member, a light source, a drive mechanism and a control circuit. The cambered flame member includes a reflecting element, a pivoting element and a pendulum element. The cambered flame member is pivotally mounted in the housing by the pivoting element, and the reflecting element extends outside the housing. The pendulum element is housed within the housing. The light source mounted in the housing is adapted to transmit a convergent light obliquely onto the reflecting camber surface. The cambered surface reflects light emulating the different color temperatures at different segments of a candle flame. The reflected light is fluid and more alike the blinking of a candle flame. The drive mechanism is positioned under the flame member. The control circuit is adapted to send a drive signal to the drive mechanism. The drive mechanism occasionally applies a force on the pendulum element based on the drive signal to make the flame member sway occasionally. The realism of the reflected artificial candle light and the aromatic function of this invention better emulate a real scented candle that also serve to promote relaxation and a positive mood setting.