

CUT DESIGN OF DIAMONDS PROVIDING PLENTY OF VISUAL-PERCEPTIBLE
REFLECTION FOR ORNAMENTAL USE AND OBSERVATION METHOD THEREOF
ABSTRACT OF DISCLOSURE

A cut design of an ornamental diamond and an observation method of the diamond which an observer can perceive a more beauty, are disclosed. The cut design is a round brilliant cut comprising a girdle, a crown above the girdle and a pavilion below the girdle. A girdle height (h) is 0.026 to 0.3 times a girdle radius, a pavilion angle (p) of a pavilion main facet ranges from 37.5 degrees to 41 degrees, and a crown angle (c) of a crown main facet is within a range of satisfying: $c > 2.8667 \times p + 134.233$ and $p < 1/4 \times \{(\sin^{-1}(1/n) + \sin^{-1}(1/n \cdot \sin c)) \times 180/\pi + 180 - 2c\}$, wherein n: refraction index of a diamond, π : circular constant, p: pavilion angle in degrees, and c: crown angle in degrees. The cut design of the ornamental diamond provides an observer with plenty of visual-perceptible reflection when the observer watches the diamond above a table facet with a sight line of an angle less than 20 degrees with a vertical line at the center of the table facet.

FIG. 1



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