

FRACTAL FEATURES FOR ENHANCED TEAR EXCHANGE

ABSTRACT

Feature patterns may be incorporated into the peripheral region of the back curve surface of contact lenses in order to increase tear exchange between the contact lens and the cornea. The feature patterns may be based
5 upon fractal geometry and be incorporated anywhere in the periphery of the lens. The placement feature patterns are preferably determined utilizing a combination of simulations and experimentation.

(FIGURE 2)