

ABSTRACT

The invention provides a method producing contact lenses, comprising the step of: separating the mold into the male and female mold halves, with the silicone hydrogel contact lens adhered on one of the male and female mold halves; bring a shaped ultrasonic horn in direct contact with at least one area of a non-optical surface of the female mold half or the male mold half having the molded silicone hydrogel contact lens attached thereon; and applying a ultrasonic vibrational energy to the at least one area of the non-optical surface of the female mold half or the male mold half having the molded silicone hydrogel contact lens attached thereon so as to separate the molded silicone hydrogel contact lens from the mold half attached thereon.

Fig. 4