

Title (en)

Lens grinding method and apparatus.

Title (de)

Verfahren und Gerät zum Schleifen von Linsen.

Title (fr)

Méthode et appareil de meulage de lentilles.

Publication

EP 0453094 B1 19941130 (EN)

Application

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Priority

US 51083490 A 19900418

Abstract (en)

[origin: EP0453094A2] The invention provides a method of generating a lens having desired base and cross curvatures by means of a circular cup shaped diamond tool (42), which is rotated about an axis and is swept repeatedly over a lens blank (68) to remove material so as to generate the required surface, the tool being positioned so as to produce the desired combination of base and cross curvatures on the blank, the method comprising positioning the diamond tool by means of a cross slide (24) and a base slide (22), both of which slides are free to move during the generation of the surface; sweeping the rotating tool over the lens blank and adjusting the cross slide and/or the base slide during the sweep thereby to vary the head angle of the tool during the sweep such that at any position in the sweep the instantaneous head angle is at a value whereby the desired cross curvature produced is constant over the sweep. The invention also relates to a lens generating machine. <IMAGE>

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