

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

**EP 91302299 A 19910318**

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>

IPC 1-7

**B24B 13/04**; **B24B 13/06**

IPC 8 full level

**B24B 13/04** (2006.01); **B24B 13/06** (2006.01)

CPC (source: EP KR)

**B24B 13/00** (2013.01 - KR); **B24B 13/043** (2013.01 - EP); **B24B 13/06** (2013.01 - EP); **B42D 25/00** (2014.10 - KR)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0453094 A2 19911023**; **EP 0453094 A3 19920401**; **EP 0453094 B1 19941130**; AT E114528 T1 19941215; AU 7379191 A 19911024; BR 9101549 A 19911203; CA 2039289 A1 19911019; DE 69105336 D1 19950112; DE 69105336 T2 19950504; FI 911876 A0 19910418; FI 911876 A 19911019; JP H04226856 A 19920817; KR 910018131 A 19911130; ZA 912459 B 19920325

DOCDB simple family (application)

**EP 91302299 A 19910318**; AT 91302299 T 19910318; AU 7379191 A 19910325; BR 9101549 A 19910417; CA 2039289 A 19910327; DE 69105336 T 19910318; FI 911876 A 19910418; JP 10831791 A 19910415; KR 910005821 A 19910412; ZA 912459 A 19910403