Title (en)
LENS GRINDING METHOD AND APPARATUS

Publication
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Application
EP 91302299 A 19910318

Priority
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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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Citation (search report)
- [X] EP 0176894 A2 19860409 - CRAXTON ROBERT S
- [AD] US 3289355 A 19661206 - COBURN ORIN W, et al
- [AD] US 2806327 A 19570917 - COBURN ORIN W
- [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 268 (M-424)(1991) 25 October 1985 & JP-A-60 114 457 (NIHON KOUGAKU KOGYO K.K.) 20 June 1985

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