

Title (en)  
MACHINE FOR GRINDING TORIC SURFACES OF OPTICAL LENSES

Publication  
**EP 0159383 B1 19871111 (DE)**

Application  
**EP 84104714 A 19840426**

Priority  
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Abstract (en)  
[origin: ES8605174A1] A machine for grinding of toric surfaces on optic lenses. A holder is provided for a lens (L1) and is pivotally supported in a carriage of a compound support of two carriages. A swivel arm is secured to a pivot of a holder. The swivel arm is pivotal about a movable bearing. A holder for a grinding spindle with cup tool thereon is supported on the machine frame by means of a bearing ring. During a movement of the compound carriage, the workpiece holder moves due to the guiding of the swivel arm on a circular path, the radius of which determines the base curve of the torus surface. By supporting the weight of the holder through a compound support on the machine frame, bending stresses of the swivel arm are avoided, through which a high precision machining operation is achieved.

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IPC 8 full level  
**B24B 13/04** (2006.01)

CPC (source: EP US)  
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Cited by  
CN115781424A; WO9200832A1

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