

Title (en)

A POLISHING APPARATUS FOR FORMING ASPHERIC SURFACES

Title (de)

POLIERVORRICHTUNG ZUM HERSTELLEN ASPHÄRISCHER FLÄCHEN

Title (fr)

APPAREIL DE POLISSAGE SERVANT A FORMER DES SURFACES ASPHERIQUES

Publication

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Application

**EP 98949148 A 19981023**

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- US 6276597 P 19971024
- US 6546097 P 19971112

Abstract (en)

[origin: WO9921682A1] The apparatus has a frame (1) and a work-holding spindle (4) mounted to said frame. A drive assembly for moving a polishing spindle mounting element with respect to said frame is secured to the frame. A polishing spindle (57) is mounted on said polishing spindle mounting element for rotation about a spindle rotation axis. A drive assembly controller controls the drive assembly to move a polishing head mounted to the polishing spindle assembly along a theoretical profile while maintaining a contact force between said workpiece and said polishing head and controlling the movement of the polishing head using a predetermined velocity profile so that the polishing head removes material from the workpiece by abrasion in accordance with a predetermined material removal profile.

IPC 1-7

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IPC 8 full level

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