

Title (en)
SPECTACLE LENS EDGE GRINDING MACHINE

Title (de)
BRILLENGLASRANDSCHLEIFMASCHINE

Title (fr)
MACHINE A MEULER LES BORDS DE VERRES DE LUNETTES

Publication
EP 0706439 B1 19961120 (DE)

Application
EP 94920937 A 19940615

Priority
• DE 4320934 A 19930624
• EP 9401945 W 19940615

Abstract (en)
[origin: US5630746A] PCT No. PCT/EP94/01945 Sec. 371 Date Dec. 22, 1995 Sec. 102(e) Date Dec. 22, 1995 PCT Filed Jun. 15, 1994 PCT Pub. No. WO95/00292 PCT Pub. Date Jan. 5, 1995A spectacle lens edge grinding machine includes a machine frame and at least one grinding wheel connected to the machine frame. A rotatable spectacle lens holding shaft is fastened to the machine frame. The spectacle lens holding shaft is at least radially displaceable relative to the grinding wheel. A spectacle lens is secured to the spectacle lens holding shaft for grinding with the grinding wheel. At least one abutment is provided for contacting a spectacle lens having been ground to have a desired spectacle lens contour. A transducer for measuring at least one actual value of the spectacle lens contour relative to the at least one abutment is provided. A computer for controlling the spectacle lens edge grinding machine is provided, wherein the computer includes a memory in which nominal values of the spectacle lens contour are stored. The computer compares the at least one actual value to the nominal values in order to determine a deviation from the nominal values. The memory stores a programmable threshold value for the deviation and the computer controls an additional grinding step when the deviation surpasses the threshold value.

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