

Title (en)
SPECTACLE LENS EDGE GRINDING MACHINE

Title (de)
BRILLENGLASRANDSCHLEIFMASCHINE

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

Publication
EP 0706439 A1 19960417 (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.

IPC 1-7
B24B 47/22; **B24B 9/14**

IPC 8 full level
B24B 9/14 (2006.01); **B24B 47/22** (2006.01)

CPC (source: EP US)
B24B 9/148 (2013.01 - EP US); **B24B 47/225** (2013.01 - EP US)

Citation (search report)
See references of WO 9500292A1

Cited by
DE19804455A1; DE19804455C2; US6564111B1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
US 5630746 A 19970520; DE 4320934 A1 19950112; DE 4320934 C2 19950420; DE 59401095 D1 19970102; EP 0706439 A1 19960417; EP 0706439 B1 19961120; WO 9500292 A1 19950105

DOCDB simple family (application)
US 57857595 A 19951222; DE 4320934 A 19930624; DE 59401095 T 19940615; EP 9401945 W 19940615; EP 94920937 A 19940615