

ABSTRACT OF THE DISCLOSURE

While processing a workpiece with a tool by removal of material, the tool is led along paths over the workpiece. In each point, the inclination and tilt angles of the tool are chosen such that the width of an area of tolerance is optimized, wherein the area of tolerance is the area within which the cutting range (K) of the tool is within a range of acceptable mismatch from the desired surface (ψ) of the workpiece. For this purpose, the distance between two points (P_l , P_r) marking the outmost points of the area of tolerance is maximized. This makes it possible to generate surfaces of high accuracy with a small number of paths.

(Fig. 4a)