

Title (en)  
METHOD FOR MACHINING THE SURFACE OF A CAM

Publication  
**EP 0212338 B1 19901122 (DE)**

Application  
**EP 86110285 A 19860725**

Priority  
DE 3529099 A 19850814

Abstract (en)  
[origin: US4747236A] A method serves for working, by metal-cutting processes, a surface of profiles having a non-circular contour, in particular for grinding camshafts. Starting out from a blank contour (30-1-32), material is removed from the surface to give the profile a desired contour (30a, 31a, 32a) by moving the processing tool and the profile relative to each other in such a manner that the portion of the processing tool which is at any time in engagement with the surface is moved along the contour in a path-controlled manner, while on the other hand the tool is advanced in feed-controlled manner by the surface distance between the blank contour (30,31,32) and the desired contour (30a,31a,32a). In order to reduce the processing time and to improve the processing quality, the active portion is removed initially in feed-controlled operation from a first point (40) on the surface of the blank contour (30,31,32) to a second point (42) of the desired amount (30a,31a,32a), and then moved in path-controlled operation along the desired contour (30a,31a,32a).

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IPC 8 full level  
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