

Title (en)

Method for NC grinding the cam of a camshaft

Title (de)

Verfahren zum numerisch gesteuerten Schleifen von Nocken einer Nockenwelle

Title (fr)

Méthode à commande numérique pour meuler la came d'un arbre à cames

Publication

EP 0543079 B1 19960124 (DE)

Application

EP 92109425 A 19920604

Priority

DE 4137924 A 19911118

Abstract (en)

[origin: US5392566A] An apparatus and a method are disclosed for numerically controlled grinding of cams of a camshaft. The cams have a convex circular base section and a convex circular tip section with concave transitional sections interconnecting same. The concave transitional sections have a minimum radius of curvature. The cam is first ground with a first grinding wheel of a radius much bigger than the minimum radius of curvature, however, the cam material is not entirely removed during this first grinding step at the location of the concave sections, thus leaving there a zone of unground cam material. In a second grinding step, the cam is ground with a second grinding wheel of a radius being smaller than the minimum radius of curvature.

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