

Title (en)
CAMs FOR CONSTRUCTED CAMSHAFTS

Title (de)
NOCKEN FÜR GEBAUTE NOCKENWELLEN

Title (fr)
CAMES DESTINÉES A DES ARBRES A CAMES FABRIQUÉS

Publication
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Application
EP 05808227 A 20051125

Priority
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Abstract (en)
[origin: WO2006072289A1] The invention relates to cams for constructed camshafts, said cams formed from at least one profiled sheet metal strip (2) produced by rolling and having a thickness which varies in the longitudinal direction thereof and two end regions (2a). Said profiled sheet metal strip (2) is bent or deformed to form the cam blank (1) in such a way that the end regions (2a) thereof join and are welded together, or the end regions (2a) thereof are welded to the end regions (2b) of at least one other bent or deformed metal strip (2). The cam blank (1) has a recess (A) for receiving a carrying shaft (11), said recess (A) having an inner contour region which is essentially circular or partially circular. The aim of the invention is to create one such cam in such a way that it requires as little raw material as possible, the usable width of the running surface is as large as possible, and it can be connected to the carrying shaft in an especially simple and cost-effective manner by a non-positive and/or positive joining method. To this end, a feeder bevel (8) is formed on the inner contour region.

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