

Title (en)  
METHOD FOR PRODUCTION OF A CAMSHAFT

Publication  
**EP 0313565 B1 19900912 (EN)**

Application  
**EP 87904397 A 19870709**

Priority  
• GB 8617052 A 19860712  
• GB 8705385 A 19870307

Abstract (en)  
[origin: WO8800643A1] A camshaft for an internal combustion engine is produced as a tubular fabrication by assembling a plurality of initially circular cam rings (12) on a central tubular member (10), deforming the cam rings to a desired cam profile by pressing in die cavities (20-22) of a forming tool and then radially outwardly expanding the tubular member into the shaped cam profile rings by the application of internal fluid pressure to the tubular member (10). The shaped cam rings (12) are thereby secured against rotational and axial movement relative to the tubular member (10). Alternatively, the pressing of the cam rings to a desired cam profile may also deform the tubular member relative to the cam rings to such an extent as to secure them to the tubular member without recourse to the subsequent application of internal fluid pressure to the central tubular member.

IPC 1-7  
**B23P 11/00**; **F01L 1/04**; **F16H 53/02**

IPC 8 full level  
**B23P 11/00** (2006.01); **B21D 39/04** (2006.01); **B21D 53/84** (2006.01); **F01L 1/04** (2006.01); **F01L 1/047** (2006.01); **F16H 53/02** (2006.01)

CPC (source: EP KR)  
**B21D 53/84** (2013.01 - EP); **B21D 53/845** (2013.01 - EP); **F01L 1/04** (2013.01 - KR); **F01L 1/047** (2013.01 - EP)

Cited by  
DE10234368C1; WO2005088082A1; US7290515B2; EP1970140A1; DE102007012756A1

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BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
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