

Title (en)

Method of manufacturing base bodies of hollow axles

Title (de)

Verfahren zur Herstellung von Hohlwellen-Grundkörpern

Title (fr)

Méthode de fabrication des corps de base des axes creuses

Publication

EP 1745870 A1 20070124 (DE)

Application

EP 05016016 A 20050722

Priority

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Abstract (en)

The production process is for a hollow-shaft base body. The outer surface (4a, 4b) of a cylindrical blank is deformed to produce a preset diameter transition in the initial base body (2). The base body is then deformed on the outer surface and the inner surface (6) incrementally, using transverse conical rolls, to produce the finished base body (8).

IPC 8 full level

B21H 1/22 (2006.01); **B21K 1/10** (2006.01)

CPC (source: EP)

B21H 1/18 (2013.01); **B21K 1/10** (2013.01)

Citation (applicant)

- EP 0052077 B1 19850116
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Citation (search report)

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- [A] DE 19905038 A1 20000817 - FRAUNHOFER GES FORSCHUNG [DE]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 010, no. 320 (M - 530) 30 October 1986 (1986-10-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 006, no. 065 (M - 124) 24 April 1982 (1982-04-24)
- [A] KAPITONOV I M: "IMPROVING ROLLING OF MACHINE PART BLANKS", STEEL IN TRANSLATION, INSTITUTE OF MATERIALS, LONDON, GB, vol. 28, no. 7, 1998, pages 46 - 49, XP000890769, ISSN: 0967-0912

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Designated extension state (EPC)

AL BA HR MK YU

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