

Title (en)

Gearing part and manufacturing method thereof

Title (de)

Getriebeteil und Verfahren zu dessen Herstellung

Title (fr)

Élément de transmission et son procédé de fabrication

Publication

EP 1038606 A3 20001102 (DE)

Application

EP 00105129 A 20000310

Priority

DE 19912841 A 19990322

Abstract (en)

[origin: DE19912841A1] The sprocket production process operates on a transversely running strip (17). A rotary-symmetrical workpiece (10) is clamped in a pressure roll device and rotated while being shaped by a roll tool. Before the strip is deformed, at least one circumferential groove (15) is made in the strip. The strip is then deformed axially to either side of the groove.

IPC 1-7

B21D 53/28; **B21H 5/02**; **B23P 15/14**; **B21K 1/30**

IPC 8 full level

F16H 55/17 (2006.01); **B21D 53/28** (2006.01); **B21H 5/02** (2006.01); **B21J 5/02** (2006.01); **B21J 5/08** (2006.01); **B21K 1/30** (2006.01); **B21K 1/42** (2006.01); **B23P 15/14** (2006.01)

CPC (source: EP US)

B21H 5/02 (2013.01 - EP US); **Y10T 29/49458** (2015.01 - EP US); **Y10T 29/4946** (2015.01 - EP US); **Y10T 29/49467** (2015.01 - EP US); **Y10T 74/1987** (2015.01 - EP US); **Y10T 74/19907** (2015.01 - EP US)

Citation (search report)

- [AD] DE 3711927 C1 19881013 - LEIFELD & CO
- [A] DE 19701565 A1 19970814 - LEICO WERKZEUGMASCHB GMBH & CO [DE]
- [X] DR. ING. NIEMANN: "Maschinenelemente - Entwerfen, Berechnen und Gestalten im Maschinenbau", 1961, SPRINGER-VERLAG, BERLIN/GÖTTINGEN/HEIDELBERG - ZWEITER BAND, XP002140996

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19912841 A1 19991111; **DE 19912841 B4 20070621**; DE 50003963 D1 20031113; EP 1038606 A2 20000927; EP 1038606 A3 20001102; EP 1038606 B1 20031008; JP 2000301282 A 20001031; US 6449845 B1 20020917

DOCDB simple family (application)

DE 19912841 A 19990322; DE 50003963 T 20000310; EP 00105129 A 20000310; JP 2000067847 A 20000310; US 52651500 A 20000316