

Title (en)

METHOD AND DEVICE FOR FORMING CUTTER-HEAD EDGES ON A TEMPERED TOOL

Publication

EP 0014270 A3 19800903 (DE)

Application

EP 79200744 A 19791210

Priority

CH 15279 A 19790109

Abstract (en)

[origin: US4348839A] A method for producing or forming cutting surfaces at the cutter blade head portion of a cutter blade formed of hardened steel is disclosed. The hardened steel blades, provided with a cutter blade head portion, are contemplated to be used in the cutter head of a gear cutting machine. In order to form the surfaces of the cutter blade head in a relatively short amount of time, without impermissible heating of the cutter blade steel, there is formed during a first step a pre-profile of the blade head by means of a cutting-off device containing a cutting-off grinding disk. During a further step the pre-formed surfaces of the pre-profile are ground into cutter blade surfaces at the heretofore conventionally used grinding machine. An apparatus for performing the method contains a rotatable bearing or support unit, adjustable into different positions, in which there is mounted the cutting-off grinding disk.

IPC 1-7

B24B 3/34

IPC 8 full level

B23P 15/28 (2006.01); **B24B 3/34** (2006.01)

CPC (source: EP US)

B24B 3/34 (2013.01 - EP US)

Citation (search report)

- US 2396904 A 19460319 - CHARLES WALTERS
- FR 1464940 A 19670106 - GLEASON WORKS
- DE 2409898 A1 19750911 - INST SWERCHTJORDYCH MATERIALO [SU], et al

Designated contracting state (EPC)

CH DE FR GB IT SE

DOCDB simple family (publication)

EP 0014270 A2 19800820; EP 0014270 A3 19800903; EP 0014270 B1 19821013; DE 2963859 D1 19821118; JP H0132033 B2 19890629; JP S5596239 A 19800722; US 4348839 A 19820914

DOCDB simple family (application)

EP 79200744 A 19791210; DE 2963859 T 19791210; JP 61880 A 19800109; US 10713379 A 19791226