

Title (en)  
STRAIGHTENING MACHINE

Title (de)  
BIEGERICHTMASCHINE

Title (fr)  
MACHINE A DRESSER

Publication  
**EP 0641265 B1 19971210 (DE)**

Application  
**EP 93911735 A 19930507**

Priority  
• DE 9300404 W 19930507  
• DE 4215795 A 19920513

Abstract (en)  
[origin: WO9323184A1] A bending and straightening machine (100) for elongated workpieces (20) such as camshafts, pinion shafts and the like has one or several straightening dies (14) which subject the workpiece (20) to a bending strain between straightening supports arranged on the machine bed (10). The straightening die (14) is arranged on a swivelling device (30) having a two-armed lever (36) which can swivel around an axis (32') and which projects on both sides of the axis (32'). The straightening die (14) is linked to one arm (36'), whereas a drive (31) which causes the two-armed lever (36) to swivel engages the free end of the other arm (36").

IPC 1-7  
**B21D 3/10**

IPC 8 full level  
**B21D 3/10** (2006.01)

CPC (source: EP US)  
**B21D 3/10** (2013.01 - EP US)

Citation (examination)  
• Section PQ, Week 8851, 8. Februar 1989 Derwent Publications Ltd., London, GB; Class P52, AN 88-367493/51 & SU, A, 1 404 141 (OMSK REMDETAL) 23 June 1988  
• Section PQ, Week 8832, 21. September 1988 Derwent Publications Ltd., London, GB; Class P52, AN 88-226288/32 & SU, A, 1 368 062 (GOSKOMSELKHOZT)  
• PATENT ABSTRACTS OF JAPAN vol. 13, no. 405 (M-868)(3753) 7. September 1989 & JP, A, 11 48 424 (OGURA) 9 June 1989

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DE202006008001U1; DE202016000142U1; DE202016000094U1; WO2017121640A1

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CH DE ES FR GB IT LI SE

DOCDB simple family (publication)  
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