

Title (en)
ROLL-HARDENING DEVICE PERTAINING TO A ROLL-HARDENING MACHINE FOR CRANKSHAFTS

Title (de)
FESTWALZGERÄT EINER FESTWALZMASCHINE FÜR KURBELWELLEN

Title (fr)
DISPOSITIF DE CYLINDRAGE D'UNE MACHINE DE CYLINDRAGE POUR VILEBREQUINS

Publication
EP 1112146 B1 20030521 (DE)

Application
EP 00909303 A 20000324

Priority
• DE 29910214 U 19990611
• EP 0001848 W 20000324

Abstract (en)
[origin: US2002178775A1] The fixed roll apparatus (8) of a fixed roll machine (1) for crankshafts (3) is constructed scissors-fashion. Two pivotable scissor arms (9 and 10) disposed opposite one another each bear a fixed roll head (13) and a support roll head (14) respectively. The support roll head (14) has two axis-parallel support rolls whose axes of rotation lie in a common plane. The support roll head (14) also has an axial guide roll which is disposed in front of the support rolls in the pivoting direction (35) for closure and whose axis of rotation is perpendicular to the axis of rotation of the crankshaft (3) and lies in a plane which forms an acute angle with the common plane of the axis of rotation of the support rolls, its diameter being larger than the width of the support roll head (14) and slightly smaller than the spacing of the adjacent oil collars of a main bearing pin or a connecting rod bearing pin.

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B24B 39/04; **B24B 5/42**

IPC 8 full level
B24B 5/42 (2006.01); **B24B 39/04** (2006.01)

CPC (source: EP US)
B24B 39/04 (2013.01 - EP US); **Y10T 29/17** (2015.01 - EP US)

Cited by
WO2008031876A1; DE102007028888B4; US6991427B2; DE102007028888A1; US9015939B2

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