Title (en)
METHOD AND DEVICE FOR FORGING CRANKSHAFTS ONTO PRESSES

Publication
EP 0144981 A3 19870819 (DE)

Application
EP 84114859 A 19841206

Priority
PL 24511583 A 19831213

Abstract (en)
[origin: ES8600707A1] An apparatus for forging crankshafts comprises a base which consists of beams 4 and cross-members 12 and 25. The head 3 of the device is designed for reciprocal movement in relation to the base. Between head 3 and parts 4 and 25 of the base there is a pair of movable, mutually coupled die holders 5 and 8, from which the top die holder 5 is led perpendicularly or at an oblique angle in relation to the head movement and the bottom die holder 8 is connected with the base by means of articulated connectors 6 and 7. Clamping die inserts 10 and 11 for gripping the forged material are fastened in die holders 5 and 8. The device is also equipped with a second pair of die holders 13, 12, 12a, 4d, which remain stationary and are fixed to the base during the working stroke of the press by means of a clamping mechanism 14 and 15. Die inserts 22 and 23 for forming crank webs and angle die inserts 17, 18 and 20 for setting crank webs at proper twist angles are mounted into the said stationary pair of die holders.

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B21K 1/08

IPC 8 full level
B21J 9/02 (2006.01); B21J 13/02 (2006.01); B21K 1/08 (2006.01)

CPC (source: EP US)
B21K 1/08 (2013.01 - EP US); Y10T 29/17 (2015.01 - EP US)

Citation (search report)
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- [AD] EP 0003139 A1 19790725 - INST OBROBKI PLASTYCZNEJ [PL]
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CH DE FR GB IT LI

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EP 84114859 A 19841206; CA 469512 A 19841206; CS 969784 A 19841212; DE 3484732 T 19841206; ES 538570 A 19841213; JP 26266484 A 19841212; PL 24511583 A 19831213; SU 3820676 A 19841207; US 67781284 A 19841204