

Title (en)  
PIVOTING ROLLER CAGE FOR A ROLLING TOOL

Title (de)  
SCHWENKBARER ROLLENKÄFIG FÜR EIN ROLLWERKZEUG

Title (fr)  
CAGE A GALET PIVOTANTE POUR OUTIL DE GALETAGE

Publication  
**EP 2049285 B1 20091216 (FR)**

Application  
**EP 07803917 A 20070621**

Priority  
• FR 2007051492 W 20070621  
• FR 0606987 A 20060731

Abstract (en)  
[origin: FR2904249A1] The pivoting roller (150) cage with a rolling tool useful in a crankshaft (50) rolling machine (1), comprises two opposing supports for holding in position of retaining unit holding a roller, and compression springs interposed between an end of shafts and a bottom of the bore holding the shafts. The two supports are pierced by bores with a common axis. The retaining unit comprises two shafts, which are freely inserted into the bores and between which the roller is interposed for pivoting about an axis transverse to the common axis. Each shaft comprises two ends cooperate with the roller. The pivoting roller (150) cage with a rolling tool useful in a crankshaft (50) rolling machine (1), comprises two opposing supports for holding in position of retaining unit holding a roller, and compression springs interposed between an end of shafts and a bottom of the bore holding the shafts. The two supports are pierced by bores with a common axis. The retaining unit comprises two shafts, which are freely inserted into the bores and between which the roller is interposed for pivoting about an axis transverse to the common axis. Each shaft comprises two ends cooperate with the roller, a cylindrical body connected to the bore of the support, and a head having a diameter higher than a diameter of the cylindrical body. The head captivates the support on a side against the roller and on other side against an aperture of bore of the support. The shafts are adapted to turn around the common axis within the bores of the support. An independent claim is included for a rolling machine.

IPC 8 full level  
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CPC (source: EP)  
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