

Title (en)  
TOOL FOR TYING METAL BARS

Title (de)  
WERKZEUG ZUR BINDUNG VON METALLSTANGEN

Title (fr)  
OUTIL POUR LIER DES BARRES MÉTALLIQUES

Publication  
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Application  
**EP 07790137 A 20070607**

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Abstract (en)  
[origin: WO2007141822A1] The invention is a tool (1; 200) for tying bars (Ba, Bb), in particular iron rods for reinforced concrete, comprising a frame (2; 202), with which the following elements are associated: a handgrip (3; 203); a reel (4; 204) of metal wire (F) for tying said bars (Ba, Bb); a feed unit (5; 205) of the metal wire (F); wire bending means (6; 206) to shape the metal wire (F) around the bars (Ba, Bb) to form turns (S); means (7; 207) for winding the turns (S) around the bars (Ba, Bb); means (8; 208) for cutting the metal wire (Ff); power means' (9; 209); means (10; 210) for controlling the power means (9; 209). The winding means (7; 207) comprise: a spindle (40; 240) having a rotary head (41; 241) and a rotary counter-head (42; 242) provided with pliers (43; 243) housing the turns (S); elastic means (44; 244) interposed between the head (41; 241) and the counter-head (42; 242) and cam means (45; 245) present in the rotary head (41; 241) for opening and closing the pliers (43; 243).

IPC 8 full level  
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Cited by  
EP3342955A1; CN108457474A; CN107849859A; EP3327222A4; CN111691677A; US10890002B2; US11267038B2; US11459778B2; US11976480B2; TWI663100B; TWI744635B

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