

Title (en)
Pliers with two plierarms

Title (de)
Zange mit zwei Zangenschenkeln

Title (fr)
Pince avec deux bras

Publication
EP 0774324 B1 20020508 (DE)

Application
EP 97100103 A 19920803

Priority
• DE 9109830 U 19910808
• DE 9113870 U 19911107
• EP 92113241 A 19920803

Abstract (en)
[origin: EP0774324A2] The pliers have two arms connected by a pivot pin (4) and adjustable in a stepwise manner to open or close the gap (M) between the jaws (5,6). The first arm (2) passes through a dividing slot in the other (3). The pin has limited axial movement in holes (14) in two side walls of the second arm and has diametrically opposed flats (19,20) which allow it to fit between the sides (12) of a slot (11) in the other arm. The slot has rack teeth on each side which engage with teeth (21) on the pin flats and lock the pin rotationally and positionally. To adjust the jaws, the pivot pin is pushed from the head end (15) against the pressure of a leaf spring (23). This moves the pin sideways out of engagement with the slot teeth so that it, together with the arm can be adjusted along the slot.

IPC 1-7
B25B 7/10

IPC 8 full level
B25B 7/10 (2006.01)

CPC (source: EP US)
B25B 7/10 (2013.01 - EP US)

Cited by
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DE 9113870 U1 19921210; AT E159447 T1 19971115; DE 59208981 D1 19971127; DE 59209955 D1 20020613; EP 0528252 A1 19930224; EP 0528252 B1 19971022; EP 0774324 A2 19970521; EP 0774324 A3 19970611; EP 0774324 B1 20020508; ES 2108720 T3 19980101; ES 2173344 T3 20021016; JP 3415638 B2 20030609; JP H05192874 A 19930803; US 5461951 A 19951031; US 5676029 A 19971014; US 5845551 A 19981208

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