

Title (en)

PLIERS HAVING TWO PLIER LEGS THAT INTERSECT AT A JOINT PIN

Title (de)

ZANGE MIT ZWEI SICH IN EINEM GELENKBOLZEN KREUZENDEN ZANGENSCHENKELN

Title (fr)

PINCE MUNIE DE DEUX BRANCHES SE CROISANT DANS UN TOURILLON D'ARTICULATION

Publication

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Application

EP 16729598 A 20160617

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Abstract (en)

[origin: WO2016207076A1] The invention relates to pliers (1), comprising two plier legs (2, 3), which intersect at a joint pin (4) and of which the one plier leg (3) is movable and the other plier leg (2) is stationary, and comprising a spring (18), which is arranged between the stationary plier leg (2) and the joint pin (4) and supports a tooth engagement of the joint pin (4), wherein furthermore the joint pin (4), through which an axis of rotation (x) of the movable plier leg (3) extends at the same time, can be moved in a longitudinal slot (9) of the stationary plier leg (2), and wherein the movable plier leg (3) can be selectively fixed in relation to the stationary plier leg (2) by means of tooth engagement between the joint pin (4) and the longitudinal slot (9), which tooth engagement occurs in the direction of a plane spanned by the plier legs (2, 3), wherein furthermore the joint pin (4) is accommodated in an only partially circular opening (13), which has a driving formation (29, 30) that deviates from the circular course, for interacting with a driving counter formation (31) of the joint pin (4), wherein the joint pin (4) is rotatably guided in the circular portion (28) of the opening (13) and a circular line (K) is defined by the circular portion (28) of the opening (13). In order to further improve pliers of the type in question while achieving a design that is favorable with regard to manufacturing, the driving formation (29, 30) according to the invention protrudes radially inward with respect to the circular line (K) and the driving counter formation (31) is likewise formed within the circular line (K).

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