

Title (en)
Pliers

Title (de)
Handzange

Title (fr)
Pince

Publication
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Application
EP 14184375 A 20140911

Priority
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Abstract (en)
[origin: TW201609326A] The invention relates to hand pliers (1) which are in particular embodied as crimping pliers. According to the invention, the hand pliers (1) comprise a counting device (16) which counts the number passed working strokes (17). The counting device (16) is built with a sensor which senses the distance or displacement of two components moved relatively to each other over the working stroke (17), in particular the distance or displacement of hand levers (2, 3). If the count number registered by the counting device (16) exceeds a threshold value, it is possible to produce a display at a displaying device of the hand pliers (1) which indicates that an exchange of drive elements or an exchange of dies or a certification of the hand pliers is required.

IPC 8 full level
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Cited by
EP3412412A1; US10205294B2; EP3572187A2; EP4371705A1; WO2019152439A1; EP3572188A1; US11605928B2; EP4371707A1; EP3221934B1; EP3834989A1; US12015233B2; EP3656504A1; US11381049B2; EP3396796A1; EP3553899A1; EP3614507A1; US10958030B2; US11424587B2; US11597064B2

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