

Title (en)
PLIERS

Title (de)
ZANGE

Title (fr)
PINCE

Publication
EP 2739436 A1 20140611 (DE)

Application
EP 11749375 A 20110804

Priority
EP 2011063428 W 20110804

Abstract (en)
[origin: WO2013017174A1] The invention relates to pliers (1) having two arms (2, 3) which are connected pivotably with respect to one another at a joint through which a joint pin (4) passes, wherein on an arm of the pliers (2, 3) a working area (7, 8) is formed on one side of the joint and a handle region (9, 10) is formed on the other side of the joint. A receiving arm (3) of the pliers is formed with an insertion slot (11) which has a slot width (s) in the region of the joint and through which the other inserted arm (2) of the pliers is inserted, wherein furthermore the working regions (4) of the arms of the pliers (2, 3) have a greater width (b) at least in part than the slot width (s), and the working regions (7, 8) which are in the form of jaws or cutters pivot towards a common central plane (E). In order to further develop the pliers with regard to a high performance which can be produced in the most favourable way possible, according to the invention the joint pin (4) is laterally offset with respect to the central plane (E).

IPC 8 full level
B25B 7/08 (2006.01); **B26B 17/00** (2006.01)

CPC (source: CN EP US)
B25B 7/08 (2013.01 - CN EP US); **B26B 17/00** (2013.01 - CN EP US)

Citation (search report)
See references of WO 2013017174A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2013017174 A1 20130207; CN 103842133 A 20140604; CN 103842133 B 20161026; EP 2739436 A1 20140611; EP 2739436 B1 20161005; ES 2601247 T3 20170214; US 2014157960 A1 20140612; US 9321152 B2 20160426

DOCDB simple family (application)
EP 2011063428 W 20110804; CN 201180073955 A 20110804; EP 11749375 A 20110804; ES 11749375 T 20110804; US 201114236235 A 20110804