

Title (en)  
PLIERS

Title (de)  
ZANGE

Title (fr)  
PINCE

Publication  
**EP 1879721 B1 20100630 (DE)**

Application  
**EP 06743261 A 20060407**

Priority  
• EP 2006061429 W 20060407  
• DE 102005016356 A 20050409

Abstract (en)  
[origin: US2009049960A1] The invention relates to pliers, especially cutting pliers or crimping pliers, comprising limbs which cross in a single joint in the longitudinal direction thereof, form co-operating working regions on one side of the joint, and embody grips on the other side of the joint. The limbs are interconnected in such a way that they can only rotate in relation to each other, and co-operating recesses are provided on both limbs in order to guide the rotation. A rotational axis of the limbs is located outside the recesses, on the side of the working regions, and a first limb in the joint region is respectively covered, i.e. on both sides, by a lapping part which is connected to the other limb in a fixed manner. The aim of the invention is to provide the inventive pliers with an advantageous structure for the transfer of high gripping forces, also in terms of the forces acting in the joint. To this end, the lapping part is connected to the other limb in such a way that it covers the recesses of the first limb.

IPC 8 full level  
**B25B 7/08** (2006.01)

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

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2009049960 A1 20090226; US 7845255 B2 20101207**; AT E472391 T1 20100715; CN 101184583 A 20080521; CN 101184583 B 20111207; DE 102005016356 A1 20061012; DE 502006007329 D1 20100812; EP 1879721 A1 20080123; EP 1879721 B1 20100630; ES 2345398 T3 20100922; RU 2007141493 A 20090520; RU 2398669 C2 20100910; WO 2006108804 A1 20061019

DOCDB simple family (application)  
**US 91811506 A 20060407**; AT 06743261 T 20060407; CN 200680018672 A 20060407; DE 102005016356 A 20050409; DE 502006007329 T 20060407; EP 06743261 A 20060407; EP 2006061429 W 20060407; ES 06743261 T 20060407; RU 2007141493 A 20060407