

Title (en)
HAND-OPERATED PLIERS

Title (de)
HAND-ZANGENWERKZEUG

Title (fr)
OUTIL À PINCE MANUEL

Publication
EP 2142340 A1 20100113 (DE)

Application
EP 08735599 A 20080331

Priority

- EP 2008053793 W 20080331
- DE 102007019228 A 20070424
- DE 102007056262 A 20071122

Abstract (en)
[origin: WO2008128854A1] The invention relates to a pair of hand-operated pliers (1), in particular pressing pliers, with jaws (6, 7) and hand levers (4, 5), wherein the jaws (6, 7) are pivotable around a preferably common rotational axis (x). Furthermore, one hand lever (5) is connected by a joint to one of the jaws (7), and a pressure support is located between the hand levers (4, 5) for the formation of a toggle (K). In order to further improve a tool of this type, particularly with respect to the design of the pressure support, it is proposed that the pressure support consist of a support roller (18) arranged on one hand lever (4), and of a curved section (19) which is attached to the other hand lever (5) and which works together with the support roller (18).

IPC 8 full level
B25B 27/10 (2006.01); **B21D 39/04** (2006.01)

CPC (source: EP US)
B25B 27/10 (2013.01 - EP US); **Y10T 29/53226** (2015.01 - EP US)

Citation (search report)
See references of WO 2008128854A1

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

DOCDB simple family (publication)
WO 2008128854 A1 20081030; AU 2008240857 A1 20081030; CN 101668612 A 20100310; DE 102007056262 A1 20081106; EP 2142340 A1 20100113; EP 2142340 B1 20180919; IL 201171 A0 20100517; RU 2009143354 A 20110527; TW 200900206 A 20090101; US 2010212391 A1 20100826; US 8286461 B2 20121016

DOCDB simple family (application)
EP 2008053793 W 20080331; AU 2008240857 A 20080331; CN 200880013647 A 20080331; DE 102007056262 A 20071122; EP 08735599 A 20080331; IL 20117109 A 20090924; RU 2009143354 A 20080331; TW 97112517 A 20080407; US 45056108 A 20080331