

Title (en)
Pliers with ergonomic grip

Title (de)
Zange mit ergonomischem Griff

Title (fr)
Pince à poignées ergonomiques

Publication
EP 0958893 A1 19991124 (FR)

Application
EP 99401102 A 19990505

Priority
FR 9806192 A 19980515

Abstract (en)
The pliers have jaws, a pivot and lever handles (3A) covered with a plastic or elastomer material. The proximal end of each handle has an asymmetrical cross-section with a curved bulge (23) projecting upwards and to one side to fit the user's palm. This section of the handle is also bean-shaped, with a slightly concave under-surface, and its curved outer surface (LG3) is extended towards the distal end of the handle by a second curve (LG2) with its convexity on the opposite side.

IPC 1-7
B25B 7/00; **B25G 1/10**

IPC 8 full level
B25B 7/00 (2006.01); **B25G 1/10** (2006.01)

CPC (source: EP US)
B25B 7/00 (2013.01 - EP US); **B25G 1/102** (2013.01 - EP US)

Citation (search report)

- [XA] US 5463814 A 19951107 - STOWELL DAVIN [US], et al
- [XY] EP 0228659 A2 19870715 - GAISBACH SCHRAUBENWERK SWG [DE]
- [X] CH 416370 A 19660630 - MAX PLANCK GESELLSCHAFT [DE]
- [YA] FR 2215294 A1 19740823 - BUSSEAU SUZANNE [FR]
- [A] US 5119561 A 19920609 - OLDS ALLISON K [US]
- [A] US 5279034 A 19940118 - SMITH STEVE [US], et al

Cited by
EP1908560A3; US8276429B2

Designated contracting state (EPC)
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