

Title (en)
Locking or expanding pliers

Title (de)
Klemm- oder Spreizzange

Title (fr)
Pince étau ou pince extensible

Publication
EP 2085186 A3 20090812 (DE)

Application
EP 09160569 A 20000126

Priority

- EP 03005746 A 20000126
- EP 02004045 A 20000126
- EP 00903630 A 20000126
- DE 19905594 A 19990211
- DE 19933033 A 19990715

Abstract (en)
[origin: EP2085186A2] The pliers have a toothed arc batten (11) fitted to one of the arms (4) of the pliers, in the teeth of which a locking pawl (13) fitted to the handle part of the other arm (6) engages. This pawl and its locking sector (17) are made in two parts. The spacing between the tooth engagement point of the pawl and the teeth and bearing journals can be reduced, causing the two clamping sectors (7, 9) to spring apart.

IPC 8 full level
B25B 7/14 (2006.01); **B25B 5/06** (2006.01)

CPC (source: EP)
B25B 5/06 (2013.01); **B25B 7/14** (2013.01)

Citation (search report)

- [AD] US 4821610 A 19890418 - REDMON JR JOHN W [US], et al
- [AD] US 3013456 A 19611219 - ERNFERD ERICSON ALF
- [AD] US 1978543 A 19341030 - THEODORE MADEIRA WILLIAM
- [AD] FR 1347377 A 19631227 - METALLURG DU CRET DE ROC ATEL
- [AD] WO 9814308 A1 19980409 - FAST INDUSTRIEPRODUKTER HANDELS [SE], et al

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 2085186 A2 20090805; EP 2085186 A3 20090812; EP 2085186 A8 20100602; AT E447464 T1 20091115; DE 19933033 A1 20000817; DE 19933033 B4 20190321; DE 50015783 D1 20091217; ES 2332214 T3 20100129

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