

Title (en)  
Hand actuated tool

Title (de)  
Handbetätigtes Werkzeug

Title (fr)  
Outil à main

Publication  
**EP 0830900 A3 19990310 (DE)**

Application  
**EP 97115966 A 19970913**

Priority  
AT 166496 A 19960919

Abstract (en)  
[origin: EP0830900A2] The tool has second piston (8) additionally fastened to the front end of the connecting rod (4). The face areas (F1,F2) of the two pistons may be equal or different. The ratio between the distance (12) between the first pushrod (5) and connecting rod, and the distance between the connecting rod and centre line through the second piston corresponds to the ratio between the face of the second piston and face of the first piston.

IPC 1-7  
**B05C 17/005**

IPC 8 full level  
**B05C 17/005** (2006.01)

CPC (source: EP)  
**B05C 17/00553** (2013.01)

Citation (search report)

- [A] US 5314092 A 19940524 - JACOBSEN KENNETH H [US], et al
- [A] DE 3307558 A1 19840913 - KERNDL VERWALTUNGS UND ENTWICK [DE]
- [A] FR 2501080 A1 19820910 - GUILLOT CLAUDE [FR]
- [A] EP 0721805 A2 19960717 - BAYER AG [DE]

Cited by  
CN113490551A; US6783514B2; US7018357B2; DE202020103554U1; DE102021115925A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0830900 A2 19980325; EP 0830900 A3 19990310; EP 0830900 B1 20020612**; AT 406452 B 20000525; AT A166496 A 19991015; AT E218929 T1 20020615; DE 59707474 D1 20020718; DK 0830900 T3 20021007

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