

Title (en)
Machine vice

Title (de)
Maschinenschraubstock

Title (fr)
Etau pour machine-outil

Publication
EP 0903201 A3 20011107 (DE)

Application
EP 98117351 A 19980914

Priority
DE 19741587 A 19970920

Abstract (en)
[origin: EP0903201A2] The clamp drive has a base and a slide driven by a threaded spindle and force multiplier. The base and spindle drive a slide with a bore for the latter. The slide can be mounted in a trough in the base and moves on guide rails. The spindle (1) has plain and threaded sections (2,3) of similar length to the slide bore (5). The slide has annular seal strips (7,8) at its ends.

IPC 1-7
B25B 1/10; **B23Q 11/00**; **B25B 1/24**

IPC 8 full level
B23Q 11/00 (2006.01); **B25B 1/10** (2006.01); **B25B 1/24** (2006.01)

CPC (source: EP US)
B25B 1/103 (2013.01 - EP US); **B25B 1/24** (2013.01 - EP US); **B25B 1/2489** (2013.01 - EP US)

Citation (search report)
• [X] US 5163662 A 19921117 - BERNSTEIN LEON M [US]
• [A] EP 0525501 A1 19930203 - SAURER ALLMA GMBH [DE]
• [A] EP 0324057 A2 19890719 - ROEHM GUENTER H [DE]
• [DA] DE 3438900 A1 19860424 - SAURER ALLMA GMBH [DE]

Cited by
EP1688219A1; WO2006133755A1; DE102013200467A1; WO2014111304A1

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

DOCDB simple family (publication)
US 6024352 A 20000215; AT E261795 T1 20040415; DE 19741587 C1 19990318; DE 59810981 D1 20040422; EP 0903201 A2 19990324; EP 0903201 A3 20011107; EP 0903201 B1 20040317; ES 2216221 T3 20041016; JP H11156734 A 19990615

DOCDB simple family (application)
US 15068298 A 19980910; AT 98117351 T 19980914; DE 19741587 A 19970920; DE 59810981 T 19980914; EP 98117351 A 19980914; ES 98117351 T 19980914; JP 26301398 A 19980917