

Title (en)
Machine vice

Title (de)
Maschinenschraubstock

Title (fr)
Etau pour machine-outil

Publication
EP 0903201 B1 20040317 (DE)

Application
EP 98117351 A 19980914

Priority
DE 19741587 A 19970920

Abstract (en)
[origin: US6024352A] A machine vise has lateral cuttings outlets (10). Two wipers are provided on the slide (6). The first wiper (7) cooperates with the surface of a cylindrical region (2) of the spindle (1). The second wiper (8) clears the cuttings from the thread (4) of the spindle (1).

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)

Cited by
EP1688219A1; WO2006133755A1; DE102013200467A1; WO2014111304A1

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI NL

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