

Title (en)
TOOL EXTENDER FOR MACHINING APPLICATIONS

Title (de)
WERKZEUGVERLÄNGERUNG FÜR BEARBEITUNGSVERFAHREN

Title (fr)
PROLONGATEUR D'OUTIL POUR APPLICATIONS D'USINAGE

Publication
EP 0697932 A1 19960228 (EN)

Application
EP 94915740 A 19940511

Priority
• SE 9400438 W 19940511
• SE 9301632 A 19930512

Abstract (en)
[origin: WO9426448A1] A tool extender for machining machines consisting of an extender body (6) arranged to, in a known manner, be fixed in for instance a chuck (4) in a tool machine and provided with a holding means for a tool (15) in the form of a sort of hydraulic gripping bushing with an internal thin, unslotted sleeve (8), which is very precisely centered and fixed, specially welded in an axial hole (7) on the end of the extender, in such a way that a thin gap is created between the hole (7) of the extender and the gripping sleeve (8), which gap is filled with a plastic or elastic pressure medium (11) being arranged to be pressurized and depressurized with a suitable means (13), whereby a tool (15) with adjusted dimension is fastened in and detached from the extender.

IPC 1-7
B23B 31/30; **B23B 31/40**

IPC 8 full level
B23B 31/00 (2006.01); **B23B 31/02** (2006.01); **B23B 31/117** (2006.01); **B23B 31/30** (2006.01); **B23B 51/12** (2006.01); **B23Q 1/00** (2006.01); **B23Q 11/10** (2006.01)

CPC (source: EP)
B23B 31/305 (2013.01); **B23B 51/126** (2013.01); **B23Q 1/0036** (2013.01); **B23B 2226/33** (2013.01)

Citation (search report)
See references of WO 9426448A1

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

DOCDB simple family (publication)
WO 9426448 A1 19941124; CA 2162386 A1 19941124; EP 0697932 A1 19960228; JP H08510174 A 19961029; SE 502498 C2 19951030; SE 9301632 D0 19930512; SE 9301632 L 19941113

DOCDB simple family (application)
SE 9400438 W 19940511; CA 2162386 A 19940511; EP 94915740 A 19940511; JP 52533194 A 19940511; SE 9301632 A 19930512