

Title (en)  
TOOL-HOLDER

Title (de)  
WERKZEUGHALTER

Title (fr)  
PORTE-OUTIL

Publication  
**EP 0735932 A1 19961009 (DE)**

Application  
**EP 95904385 A 19941223**

Priority

- DE 9401541 W 19941223
- DE 4344042 A 19931223
- DE 4402483 A 19940128

Abstract (en)  
[origin: WO9517275A1] In a new tool-holder or the like, a member to be clamped, for example in a machine spindle, has an outer elastic part.

IPC 1-7  
**B23B 31/00**

IPC 8 full level  
**B23Q 3/12** (2006.01); **B23B 31/00** (2006.01); **B23B 31/117** (2006.01)

CPC (source: EP US)  
**B23B 31/005** (2013.01 - EP US); **B23B 31/006** (2013.01 - EP US); **B23B 2231/0288** (2013.01 - EP US); **B23B 2231/04** (2013.01 - EP US); **B23B 2270/06** (2013.01 - EP US); **Y10T 279/3406** (2015.01 - EP US); **Y10T 408/76** (2015.01 - EP US); **Y10T 408/957** (2015.01 - EP US); **Y10T 409/30952** (2015.01 - EP US)

Citation (search report)  
See references of WO 9517275A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**DE 4402483 A1 19950629**; EP 0735932 A1 19961009; JP H09506829 A 19970708; US 5775857 A 19980707; WO 9517275 A1 19950629

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**DE 4402483 A 19940128**; DE 9401541 W 19941223; EP 95904385 A 19941223; JP 51709695 A 19941223; US 66647896 A 19960624