

Title (en)  
ACCESSORY DEVICE FOR MACHINE VICES

Publication  
**EP 0115474 B1 19861008 (DE)**

Application  
**EP 84810047 A 19840126**

Priority  
• CH 54783 A 19830201  
• CH 457683 A 19830823

Abstract (en)  
[origin: EP0115474A2] 1. Additional device for a machine vice (50) provided with two clamping jaws (12, 13), said device comprising sealed pressure members (40, 45, 45a - 45d ) acting in piston-like manner in a casing block (30, 30a - 30d ) and which are automatically adjustable in the latter with respect to the workpiece to be fixed counter to the restoring force of a displaceable hydraulic fluid, characterized in that the individual pressure member (40, 45, 45a - 45d ) is constructed in one piece and square or rectangular with rounded corners in profile cross-section and is displaceably guided in a chamber (36, 37, 37') of casing block (30, 30a - 30d ) constructed corresponding to the pressure member profile cross-section, the clamping surface (42, 47, 47a - 47d ) facing the workpiece (25) to be fixed is constructed corresponding to the pressure member profile cross-section and is larger than the remaining casing block surface surrounding the individual pressure members, the circumference of the individual pressure member (40, 45, 45a - 45d ) is sealed in the chamber (36, 37, 37') with a packing (41, 46) inserted in a slot (48) and for obtaining an optimum, sealing pressing effect the slot depth (t2 ) in the vicinity of the rounded corners (R) is somewhat less than the slot depth (t1 ) on the facing straight sides of the individual pressure member (40, 45, 45a - 45d ).

IPC 1-7  
**B25B 1/24**; **B25B 1/20**

IPC 8 full level  
**B25B 1/24** (2006.01)

CPC (source: EP)  
**B25B 1/2421** (2013.01)

Cited by  
EP0507040A1; FR2768956A1; CN108406630A; DE19954369A1; CN104440293A; US6345816B1

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

DOCDB simple family (publication)  
**EP 0115474 A2 19840808**; **EP 0115474 A3 19840905**; **EP 0115474 B1 19861008**; DE 3460885 D1 19861113

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