

Title (en)  
RAPID ADVANCING AND RETRACTING MECHANISM FOR CLAMPING DEVICE

Publication  
**EP 0066640 B1 19851016 (EN)**

Application  
**EP 81104412 A 19810609**

Priority  
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Abstract (en)  
[origin: EP0066640A1] Advancing and retracting mechanism for clamping means comprising a pair of split nuts (3, 3 min ) resiliently retained in place inside a hollow cylindrical body (1) by spring means, which mechanism can either slidably hold a screw spindle (2) to rapidly push it to working position or retract it to dismount the workpiece when the threads (31, 31 min ) of split nuts (3, 3 min ) are not in mesh with the screw spindle (2) or offer a snug. Complete engagement between the split nuts (3, 3 min ) and screw spindle (2) in which the load is equally distributed, thereby largely reducing the wear thereof, and allowing the device to be fabricated in relatively small size.

IPC 1-7  
**B25B 27/073**

IPC 8 full level  
**B25B 1/12** (2006.01); **B25B 27/02** (2006.01); **B25B 27/073** (2006.01)

CPC (source: EP)  
**B25B 1/125** (2013.01); **B25B 27/023** (2013.01)

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**EP 0066640 A1 19821215; EP 0066640 B1 19851016**; AT E16084 T1 19851115; DE 3172658 D1 19851121

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