

Title (en)  
A screw holding and driving tool

Title (de)  
Werkzeug zum Halten und Drehen einer Schraube

Title (fr)  
Outil pour tenir et tourner une vis

Publication  
**EP 0637485 B1 19970305 (EN)**

Application  
**EP 94305819 A 19940805**

Priority  
US 10246093 A 19930805

Abstract (en)  
[origin: EP0637485A1] A screw holding and driving device for use with powered drills including a slidable transparent sleeve (14) mounted in concentric relation with a screw drive shaft (12) of the device. The sleeve (14) is provided with an internal surface that is fluted with the fluted surfaces extending parallel to the longitudinal axis of the cylindrically shaped sleeve (14). The inner surfaces with larger radii (30) remain clear of the shaft (12) and thus will not be scratched as the shaft (12) moves relative to the sleeve (14). Further, a split ring (40) of oval construction is provided for holding the sleeve on the shaft. The ends of the split oval retaining ring (40) are sized to fit in a groove (26) on the shaft and thus do not extend outside the groove (26) to scratch the transparent sleeve (14). <IMAGE>

IPC 1-7  
**B25B 23/08**

IPC 8 full level  
**B25B 21/00** (2006.01); **B25B 23/00** (2006.01)

CPC (source: EP)  
**B25B 21/007** (2013.01); **B25B 23/0021** (2013.01)

Cited by  
US2017173765A1

Designated contracting state (EPC)  
DE FR GB NL

DOCDB simple family (publication)  
**EP 0637485 A1 19950208; EP 0637485 B1 19970305; DE 69401865 D1 19970410; DE 69401865 T2 19970731; HK 1007703 A1 19990423**

DOCDB simple family (application)  
**EP 94305819 A 19940805; DE 69401865 T 19940805; HK 98107051 A 19980626**