

Title (en)  
DRIVE UNIT FOR A PUNCHING MACHINE OR A PRESS AND PROCESS FOR MACHINING A WORKPIECE

Title (de)  
ANTRIEBSEINHEIT FÜR EINEN STANZAUTOMAT ODER EINE PRESSE UND VERFAHREN ZUM BEARBEITEN EINES WERKSTÜCKES

Title (fr)  
UNITE D'ENTRAINEMENT POUR UNE MACHINE D'ESTAMPAGE OU UNE PRESSE ET PROCEDE POUR FACONNER UNE PIECE A USINER

Publication  
**EP 2397315 B1 20160113 (DE)**

Application  
**EP 11004833 A 20110614**

Priority  
AT 10172010 A 20100621

Abstract (en)  
[origin: EP2397315A2] The unit has a main drive designed as a spindle drive (20) for implementing pressure stroke in the unit, and an auxiliary drive comprising a knee lever system with an upper knee lever side piece (12), lower knee lever side piece (13), knee lever joint (14) and a fixed stopper (15). The lever side pieces are mechanically blocked by a fixed stopper (15). The knee lever system is actuated via a linear drive, toothed rod drives (16, 17) or spindle drive. The lever side pieces form an angle of above 181 degree on a side that faces the fixed stopper. An independent claim is also included for a method for processing a workpiece.

IPC 8 full level  
**B30B 1/10** (2006.01); **B30B 1/18** (2006.01)

CPC (source: EP)  
**B30B 1/10** (2013.01); **B30B 1/103** (2013.01); **B30B 1/18** (2013.01)

Cited by  
JP2016032427A; CN104552540A; US9948218B2; WO2016013664A1

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DOCDB simple family (publication)  
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