

Title (en)  
Punchtool with adjusting ring

Title (de)  
Stanzwerkzeug mit Justierung

Title (fr)  
Outil de poinçonnage avec anneau d'ajustage

Publication  
**EP 1213065 A3 20031022 (DE)**

Application  
**EP 01116300 A 20010705**

Priority  
DE 10032045 A 20000705

Abstract (en)  
[origin: DE10032045A1] Punching tool comprises a punch (12) positioned in an adjusting ring (20). The adjusting ring is positioned at a specified angle in a tool holder using a block (24). The angle between the punch and the adjusting ring is defined by an interlocking locking piston. The locking piston is positioned on the block on the side of the adjusting ring so that it interlocks in the direction of rotation. An Independent claim is also included for a block for a punching tool which sits in a radial groove of an adjusting ring and has an opening (36) for holding a securing element so that it cannot rotate. Preferred Features: A pin (32) sitting in a hole (30) in the punch forms part of the locking piston.

IPC 1-7  
**B21D 28/34**

IPC 8 full level  
**B21D 28/34** (2006.01)

CPC (source: EP)  
**B21D 28/34** (2013.01)

Citation (search report)

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- [DA] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 14 31 December 1998 (1998-12-31)

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