

Title (en)  
Rotary cutting device

Title (de)  
Rotationsschneidvorrichtung

Title (fr)  
Dispositif de coupe rotative

Publication  
**EP 0976510 B1 20050330 (DE)**

Application  
**EP 99114200 A 19990723**

Priority  
DE 19834104 A 19980729

Abstract (en)  
[origin: EP0976510A2] An anvil roller (70) pivots on a pivot axle on the machine frame (10) on which a pivot mounted cutter (80) whose cutter blade cooperates (92) with the anvil surface. The cutter and the anvil roller are pre-tensioned towards each other. The cutter is supported by at least one support ring (100,102) by successive support ring sections on successive support surfaces. Each active support ring section acts upon the active support surface section with a pressure force (A) corresponding to the difference between the pre-tensioning force (V) and the cutting force (S).

IPC 1-7  
**B26D 7/26**; **B26F 1/38**; **B26F 1/44**

IPC 8 full level  
**B26D 7/26** (2006.01); **B26F 1/38** (2006.01); **B26F 1/44** (2006.01)

CPC (source: EP US)  
**B26D 7/2628** (2013.01 - EP US); **B26D 7/265** (2013.01 - EP US); **B26F 1/384** (2013.01 - EP US); **B26F 1/44** (2013.01 - EP US);  
**B26F 2001/4409** (2013.01 - EP US); **Y10T 83/4833** (2015.04 - EP US); **Y10T 83/4841** (2015.04 - EP US); **Y10T 83/4844** (2015.04 - EP US);  
**Y10T 83/7855** (2015.04 - EP US)

Cited by  
EP1974878A1; CN103692491A; CN104552431A; CN105840663A; CN105972215A; EP1348525A3; US7594461B2; EP1721712A1;  
DE102007016451A1

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DOCDB simple family (publication)  
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DE 19834104 A1 20000203; DE 59911825 D1 20050504; DE 59914778 D1 20080710; DK 0976510 T3 20050711; DK 1520668 T3 20080929;  
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DOCDB simple family (application)  
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DE 59914778 T 19990723; DK 05000091 T 19990723; DK 99114200 T 19990723; EP 05000091 A 19990723; ES 05000091 T 19990723;  
ES 99114200 T 19990723; US 36282499 A 19990728