

Title (en)  
APPARATUS FOR PRODUCING A BLANK FROM STOCK MATERIAL

Publication  
**EP 0060355 B1 19850410 (EN)**

Application  
**EP 81301101 A 19810317**

Priority  
EP 81301101 A 19810317

Abstract (en)  
[origin: EP0060355A1] The present invention relates to a method and apparatus for producing a smooth edge blank from stock material. A blanking die (52) is carried by the movable die shoe (14) and a closely cooperating blanking punch (50) is secured on the fixed die shoe (16). Spring biased means (40) is displaceably provided within the blanking die to apply pressure on a sheet of stock (122) located on the punch only over the area to be blanked out from said sheet of stock. A piercing punch (66) may also be provided and extends coaxially through the blanking die and a bore (64) extending through the blanking punch provides a piercing die. The spring biased means for applying pressure to clamp the stock only over the area to be blanked is a shedder displaceably disposed within the bore of the blanking die. A stripper encircling the blanking punch is provided for removing scrap stock upon completion of the blanking step and a spacer means (106, 108) is disposed to space the blanking die and the stripper apart by a distance exceeding the thickness of the stock.

IPC 1-7  
**B21D 28/16**

IPC 8 full level  
**B21D 28/16** (2006.01)

CPC (source: EP)  
**B21D 28/16** (2013.01)

Cited by  
CN103920814A; CN114367578A; EP0131770A1; CN111438249A; CN106238574A; CN112238184A; DE19605113A1; DE19605113C2; WO2008128914A3

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0060355 A1 19820922; EP 0060355 B1 19850410; EP 0060355 B2 19910306;** AT E12594 T1 19850415; DE 3169783 D1 19850515

DOCDB simple family (application)  
**EP 81301101 A 19810317;** AT 81301101 T 19810317; DE 3169783 T 19810317