

Title (en)  
DEVICE FOR PUNCHING SHEET METAL

Publication  
**EP 0258209 A3 19890412 (DE)**

Application  
**EP 87890186 A 19870811**

Priority  
AT 230986 A 19860827

Abstract (en)  
[origin: EP0258209A2] In a device for punching sheet metal (43) by means of individually operatable stamping dies arranged in rows, the sheet metal (43) gripped by holding clamps (17) of a cross slide should be able to be punched at any point without rotation. For this purpose at least two holding clamps (17) in the cross slide are adjustable between at least two working positions which are separated by a distance, measured transversely to the rows of dies, equal to at least the width of the punch head (3). <IMAGE>

IPC 1-7  
**B21D 43/10**

IPC 8 full level  
**B21D 28/04** (2006.01); **B21D 28/26** (2006.01); **B21D 43/00** (2006.01); **B21D 43/10** (2006.01)

CPC (source: EP)  
**B21D 28/265** (2013.01); **B21D 43/003** (2013.01); **B21D 43/10** (2013.01)

Citation (search report)  
• [A] DE 1213788 B 19660331 - THOMAS OLIVER ADAMS  
• [A] GB 2130953 A 19840613 - AMADA CO LTD  
• [X] PATENT ABSTRACTS OF JAPAN, Band 9, Nr. 264 (M-423)[1987], 22. Oktober 1985; & JP-A-60 111 729 (MURATA KIKAI K.K.) 18-06-1985

Cited by  
IT202200010175A1; CN118002679A

Designated contracting state (EPC)  
AT DE FR GB IT SE

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**AT 384761 B 19880111; AT A230986 A 19870615**; EP 0258209 A2 19880302; EP 0258209 A3 19890412; JP S63252622 A 19881019

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