

Title (en)  
Improved punching machine for metal sheet panels

Title (de)  
Verbesserte Stanzvorrichtung für Blechteile

Title (fr)  
Poinçonneuse de tôles améliorée

Publication  
**EP 0920933 B1 20031217 (EN)**

Application  
**EP 98203435 A 19981012**

Priority  
IT MI972695 A 19971205

Abstract (en)  
[origin: EP0920933A2] Punching machine for metal sheet panels comprising a work table (1), a bearing structure (2; 2 @ , 2 @ ) for punching means (4 @ , 4 @ ) having a groove (3) where said work table passes through, and moving means (13, 14; 13, 60) for a panel on said work table to bring the panel in correspondence of said punching means, characterised in that said punching means comprise two punching units (4 @ , 4 @ ) that are mounted to said bearing structure ( 2; 2 @ , 2 @ ) and are substantially facing one another. <IMAGE>

IPC 1-7  
**B21D 28/26**; B21D 28/24; B21D 43/10; B21D 43/14; B21D 28/12

IPC 8 full level  
**B26D 7/01** (2006.01); **B21D 28/24** (2006.01); **B21D 28/26** (2006.01); **B21D 28/34** (2006.01); **B21D 43/10** (2006.01); **B26F 1/00** (2006.01)

CPC (source: EP)  
**B21D 28/246** (2013.01); **B21D 28/265** (2013.01); **B21D 43/10** (2013.01)

Cited by  
CN114378171A; EP1759782A1; FR2872440A1; EP1447156A1; US7090898B2; WO2006013260A1; WO2007026079A1; WO03015953A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0920933 A2 19990609**; **EP 0920933 A3 20010103**; **EP 0920933 B1 20031217**; AT E256511 T1 20040115; BR 9805137 A 19991221; CA 2250781 A1 19990605; DE 69820575 D1 20040129; DE 69820575 T2 20041104; ES 2212213 T3 20040716; IT 1296923 B1 19990803; IT MI972695 A1 19990605; JP H11244958 A 19990914; KR 19990062770 A 19990726

DOCDB simple family (application)  
**EP 98203435 A 19981012**; AT 98203435 T 19981012; BR 9805137 A 19981203; CA 2250781 A 19981021; DE 69820575 T 19981012; ES 98203435 T 19981012; IT MI972695 A 19971205; JP 34538598 A 19981204; KR 19980052844 A 19981203