

Title (en)
Improved punching machine for metal sheet panels

Title (de)
Verbesserte Stanzvorrichtung für Blechteile

Title (fr)
Poinçonneuse de tôles améliorée

Publication
EP 0920933 A2 19990609 (EN)

Application
EP 98203435 A 19981012

Priority
IT MI972695 A 19971205

Abstract (en)
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**

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