

Title (en)  
PUNCHING DEVICES

Title (de)  
STANZVORRICHTUNG

Title (fr)  
DISPOSITIFS DE PERFORATION

Publication  
**EP 0689497 B1 19990203 (EN)**

Application  
**EP 92923024 A 19921113**

Priority  
• GB 9202106 W 19921113  
• GB 9211191 A 19920527

Abstract (en)  
[origin: WO9324289A1] A punching device comprises a housing (6) carrying a main punch body (8) in the form of a plate mounted for rectilinear sliding movement, the punch body comprising a driving rack (10) extending downwardly along each side, and a plurality of integral punch members (12) projecting downwardly in a staggered array, said punch members being waisted (12d). The device comprises an operating handle (30) pivotally mounted on the housing (6) carrying drive pinions (32) engageable with the racks (10), so that by movement of the handle (30) the punch body may be raised and lowered. The punch body (8) additionally carries auxiliary punch members (12a), each being mounted on the punch body for longitudinal sliding movement relative thereto. Associated with each auxiliary punch member (12a) is a locking device (40), comprising a locking member (42) which is movable between an inoperative position in which the auxiliary punch member is capable of longitudinal sliding movement relative to the punch plate (8), and an operative position in which said auxiliary punch member moves with the punch body in a punching operation. In this way one or more of the auxiliary punch members (12a) may be taken out of operation to enable a stack of sheets of relatively small size to be provided with apertures along one side edge, or the auxiliary punch members may be brought into operation for the punching of apertures of a stack of sheets of full size.

IPC 1-7  
**B26F 1/04**; **B26F 1/14**

IPC 8 full level  
**B26F 1/32** (2006.01); **B26D 5/10** (2006.01); **B26F 1/04** (2006.01); **B26F 1/14** (2006.01)

CPC (source: EP)  
**B26D 5/10** (2013.01); **B26F 1/04** (2013.01); **B26F 1/14** (2013.01)

Designated contracting state (EPC)  
AT BE DE DK FR GB IT NL

DOCDB simple family (publication)  
**WO 9324289 A1 19931209**; AT E176419 T1 19990215; AU 2908292 A 19931230; DE 69228395 D1 19990318; DE 69228395 T2 19990624; DK 0689497 T3 19990920; EP 0689497 A1 19960103; EP 0689497 B1 19990203; GB 2280396 A 19950201; GB 2280396 B 19960522; GB 9211191 D0 19920708; GB 9421086 D0 19941207; JP H08501025 A 19960206

DOCDB simple family (application)  
**GB 9202106 W 19921113**; AT 92923024 T 19921113; AU 2908292 A 19921113; DE 69228395 T 19921113; DK 92923024 T 19921113; EP 92923024 A 19921113; GB 9211191 A 19920527; GB 9421086 A 19921113; JP 50027492 A 19921113