

Title (en)  
Punching apparatus and punching die used therefor

Title (de)  
Stanzmaschine und Matrize für eine solche Maschine

Title (fr)  
Poinçon et matrice de presse à poinçonner

Publication  
**EP 1837140 A1 20070926 (EN)**

Application  
**EP 06111483 A 20060321**

Priority  
EP 06111483 A 20060321

Abstract (en)  
In a punching apparatus comprising: a punching station A for punching a large number of sheet products by a punching die 20 from a long material sheet 1 which is transferred in a horizontal direction; and a take-out station for taking out the sheet product punched by the punching die 20, wherein the punching die 20 has a structure that a blade portion of a tip end peripheral edge of a vertically penetrating die hole is brought into contact with the material sheet 1 under pressure, thereby sequentially punching the sheet products from the material sheet 1 and accommodating the sheet products in the die hole in a laminated state, and the take-out station includes an extrusion pusher for pushing out the sheet products which are accommodated in the laminated state from the die hole 28, the punching die is disposed below a transfer region of the material sheet to prevent the sheet product from falling onto the material sheet 1 from the die hole.

IPC 8 full level  
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CPC (source: EP)  
**B26F 1/405** (2013.01); **B26D 1/18** (2013.01); **B26D 1/185** (2013.01); **B26F 2210/02** (2013.01)

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