

Title (en)  
Punching machine with device for adjustment

Title (de)  
Stanzmaschine mit Einrichtung zum Zurichten

Title (fr)  
Poinçonneuse dotée d'un dispositif d'alignement

Publication  
**EP 2862684 B1 20200422 (DE)**

Application  
**EP 14179217 A 20140731**

Priority  
DE 102013016755 A 20131010

Abstract (en)  
[origin: CN104552455A] The invention relates to a bench-type die cutting- and/or -punching machine (100) with a stamping and / or -punching gestation (2) comprising an upper table (10) and a sub-table (9). The sub table (9) has a plurality of matrix-like arranged side by side Metal blocks (101), for example of aluminum, and wherein each metal blocks (101) has an regardless controllable heating means (104) for selectively heating of a respective metal pad (101). The heating process causes advantageously an expansion of the metal stud (101), so that, for preparing the stamping and / or -punching gestation (2) with the Metal block (101).

IPC 8 full level  
**B26D 7/10** (2006.01); **B26D 7/26** (2006.01); **B26F 1/44** (2006.01); **B31B 50/20** (2017.01); **B31B 50/25** (2017.01); **B31B 50/88** (2017.01); **B31F 1/07** (2006.01); **B31F 1/08** (2006.01); **B44B 5/02** (2006.01)

CPC (source: CN EP)  
**B26D 7/10** (2013.01 - CN EP); **B26D 7/2628** (2013.01 - CN EP); **B26F 1/44** (2013.01 - CN EP); **B31B 50/20** (2017.07 - EP); **B31B 50/252** (2017.07 - EP); **B31B 50/88** (2017.07 - EP); **B31F 1/07** (2013.01 - EP); **B31F 1/08** (2013.01 - EP); **B44B 5/028** (2013.01 - EP); **B31B 50/042** (2017.07 - EP); **B31B 50/066** (2017.07 - EP); **B31B 50/07** (2017.07 - EP); **B31B 50/98** (2017.07 - EP); **B31F 2201/0702** (2013.01 - EP)

Cited by  
CN109322216A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2862684 A1 20150422**; **EP 2862684 B1 20200422**; CN 104552455 A 20150429; CN 104552455 B 20170503; DE 102013016755 A1 20150416; ES 2799413 T3 20201217

DOCDB simple family (application)  
**EP 14179217 A 20140731**; CN 201410527936 A 20141009; DE 102013016755 A 20131010; ES 14179217 T 20140731