

Title (en)
PUNCHING/PERFORATION MACHINE

Title (de)
STANZ- / PERFORIERMASCHINE

Title (fr)
MACHINE DE POINÇONNAGE/PERFORATION

Publication
EP 3946854 A1 20220209 (DE)

Application
EP 20722441 A 20200401

Priority
• DE 202019001573 U 20190405
• DE 2020000072 W 20200401

Abstract (en)
[origin: WO2020200346A1] Disclosed is a punching/perforation machine (10) for creating a predefinable punching/perforation pattern in a material unit/web (M) that is supplied in a direction of travel (T), the punching/perforation machine (10) comprising a punching/perforation tool that includes an upper tool part (12.1) which can be moved in a direction of stroke (H) and which is equipped with a plurality of punching dies/perforation needles (16) that are arranged in a predefined grid in a transverse direction (Q) and can be moved by means of a pressure beam (36) that is operatively connected to a drive unit (18) via a control device (30) in order to produce a punching/perforation stroke (H); the punching/perforation tool also includes a stationary lower tool part (12.2)/female die, the material unit/web (M) being supplied between the upper tool part (12.1) and the lower tool part (12.2); characterized in that means (70, 72) are provided for generating a simultaneous movement of the material unit/web (M) relative to the punching/perforation tool by a predefinable distance both in the direction of travel (T) and in the transverse direction (Q) such that the material unit/web (M) can be placed in a different predefinable position relative to the punching/perforation tool prior to each punching/perforation stroke (H).

IPC 8 full level
B26F 1/04 (2006.01)

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DOCDB simple family (publication)
DE 202019001573 U1 20190603; DE 112020001750 A5 20211216; EP 3946854 A1 20220209; EP 3946854 B1 20240221; EP 3946854 C0 20240221; HR P20240518 T1 20240705; MA 55535 A 20220209; MX 2021012203 A 20220104; PL 3946854 T3 20240624; RS 65523 B1 20240628; US 11787076 B2 20231017; US 2022111545 A1 20220414; WO 2020200346 A1 20201008

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