

Title (en)  
ROTARY PUNCHING DEVICE AND METHOD FOR CONTROLLING DISPLACEMENT OF A FIRST SHAFT RELATIVE TO A SECOND SHAFT IN A ROTARY PUNCHING DEVICE

Title (de)  
ROTATIONSSTANZVORRICHTUNG UND VERFAHREN ZUR STEUERUNG DER VERSCHIEBUNG EINER ERSTEN WELLE IN EINE ZWEITE WELLE IN EINER ROTATIONSSTANZVORRICHTUNG

Title (fr)  
DISPOSITIF DE POINÇONNAGE ROTATIF ET PROCÉDÉ DE COMMANDE DE DÉPLACEMENT D'UN PREMIER ARBRE SERTI SUR UN SECOND ARBRE DANS UN DISPOSITIF DE POINÇONNAGE ROTATIF

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Application  
**EP 22216021 A 20221222**

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Abstract (en)  
The present invention relates to a rotary punching device (1) for rotational machining of a material sheet (10). The rotary punching device (1) comprises a first shaft (20) rotationally activated by driving means (24), and a second shaft (30) arranged in parallel to the first shaft (20). The first shaft (20) and the second shaft (30) comprise a first tool (23) and a second tool (33) respectively. The rotary punching device (1) further comprises coupling means (40) configured for synchronizing rotation of the first shaft (20) and rotation of the second shaft (30) in an opposite direction. The rotary punching device (1) further comprises displacement means (50) for displacing the first shaft (20) between an engagement position (51) and a disengagement position (52) relative to the second shaft (30). The first and second tools (23, 33) are configured for receiving and rotary punching the material sheet (10) when in the engagement position (51). The rotary punching device (1) further comprises a controller (60) controlling the displacement means (50) and/or the velocity of the first shaft (20) based on received positioning data (65) concerning the position of the material sheet (10).

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Citation (search report)

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