

Title (en)
DIE SUPPORT MECHANISM, CYLINDRICAL WORKPIECE GENERATION DEVICE, AND TRANSFER PRESS MACHINE

Title (de)
MATRIZENTRÄGERMECHANISMUS, VORRICHTUNG ZUR ERZEUGUNG EINES ZYLINDRISCHEN WERKSTÜCKS UND TRANSFERPRESSE

Title (fr)
MÉCANISME DE SUPPORT DE MATRICE, DISPOSITIF DE PRODUCTION DE PIÈCE CYLINDRIQUE ET MACHINE DE PRESSE DE TRANSFERT

Publication
EP 4260959 A4 20240605 (EN)

Application
EP 21925744 A 20210909

Priority
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Abstract (en)
[origin: EP4260959A1] [Problem] Provided is a technique for preventing a failure in which a blanking punch is pressed against an opening edge of a punch hole.[Solution] A die support mechanism 40 of the present disclosure includes a die holding member 41 through which a slit 41S passes, and a lower side of the die holding member 41 with respect to the slit 41S forms a die holding base 42 that holds a blanking die 32, and an upper side with respect to the slit 41S forms a ceiling portion 43 having a ceiling hole 44 concentric with a punch hole 32A of the blanking die 32. Then, the die holding member 41 is supported by the support base 50 in a horizontally slidable manner, and a guide portion of the ceiling hole 44 is in sliding contact with the blanking punch 31, whereby the die holding member 41 slides to a position where the punch hole 32A is centered on the blanking punch 31.

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Citation (search report)
• [AD] JP 2016203212 A 20161208 - ASAHI- SEIKI MFG CO LTD
• [A] US 3768295 A 19731030 - CUDZIK D
• [A] EP 2921240 A1 20150923 - TRUMPF WERKZEUGMASCHINEN GMBH [DE]
• See also references of WO 2022172496A1

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