

Title (en)  
PUNCHING UNIT HAVING A DEVICE FOR CHANGING A PUNCHING CYLINDER AND METHOD FOR CHANGING A PUNCHING CYLINDER

Title (de)  
STANZAGGREGAT MIT EINER VORRICHTUNG ZUM WECHSELN EINES STANZZYLINDERS UND VERFAHREN ZUM WECHSELN EINES STANZZYLINDERS

Title (fr)  
UNITÉ DE POINÇONNAGE DOTÉE D'UN DISPOSITIF DE CHANGEMENT DE CYLINDRE DE POINÇONNAGE ET PROCÉDÉ DE CHANGEMENT D'UN CYLINDRE DE POINÇONNAGE

Publication  
**EP 4370340 A1 20240522 (DE)**

Application  
**EP 22823464 A 20221130**

Priority  

- DE 102021131591 A 20211201
- DE 102022100961 A 20220117
- DE 102022102147 A 20220131
- EP 2022083828 W 20221130

Abstract (en)  
[origin: WO2023099553A1] The invention relates to a punching unit (900) having a device for changing (950) a punching cylinder (901), wherein the punching unit (900) has at least one punching cylinder (901) and at least one counter punching cylinder (902), wherein the punching cylinder (901) is arranged in a punching position (981) for punching, wherein the at least one punching cylinder (901) can be exchanged by at least one further punching cylinder (903) using the device for changing (950). The invention also relates to a method for changing a punching cylinder (901) of a punching unit (900).

IPC 8 full level  
**B41F 19/00** (2006.01); **B41F 9/18** (2006.01); **B41F 13/08** (2006.01); **B41F 13/34** (2006.01)

CPC (source: EP)  
**B41F 9/18** (2013.01); **B41F 13/34** (2013.01); **B41F 19/008** (2013.01); **B41P 2213/80** (2013.01)

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2023099553 A1 20230608**; EP 4370340 A1 20240522

DOCDB simple family (application)  
**EP 2022083828 W 20221130**; EP 22823464 A 20221130