

Title (en)

DIE UNIT, PRESS FOR RECEIVING SUCH A DIE UNIT AND METHOD FOR THE OPERATIONALLY READY ARRANGEMENT OF THE DIE UNIT IN THE RECEPTACLE OF THE PRESS

Title (de)

WERKZEUGEINHEIT, PRESSE ZUR AUFNAHME EINER SOLCHEN WERKZEUGEINHEIT UND VERFAHREN ZUM BETRIEBSBEREITEN ANORDNEN DER WERKZEUGEINHEIT IN DER AUFNAHME DER PRESSE

Title (fr)

UNITÉ D'OUTIL, PRESSE PERMETTANT LE LOGEMENT D'UNE TELLE UNITÉ D'OUTIL ET PROCÉDÉ PERMETTANT L'AGENCEMENT PRÊT A FONCTIONNER DE L'UNITÉ D'OUTIL DANS LE LOGEMENT DE LA PRESSE

Publication

EP 3953165 A1 20220216 (DE)

Application

EP 20722220 A 20200406

Priority

- DE 102019109700 A 20190412
- EP 2020059730 W 20200406

Abstract (en)

[origin: WO2020207954A1] The invention relates to a die unit (20) and a press (21), in particular an embossing press in order, for example, to emboss coins from a round blank. The die unit (20) can be inserted into or removed from a receptacle (23) of the press (21) in a simple and rapid manner so as to carry out a rapid die change with a short downtime of the press (21). For this purpose, the die unit (20) has a first die (45) and a second die (46) which are arranged along a die axis (A) on a die carrier (31) of the die unit (20). By means of a die guide (47), the second die (46) is mounted so as to be movable in a guided manner relative to the die carrier (31) and relative to the first die (45) independently of guide devices of the press (21). It is therefore possible, while the operation of a press (21) is in progress with another die unit, for such a die unit (20) to be prepared and set up outside this press. If it is desired or required, the prepared die unit (20) is exchanged for the die unit currently being used.

IPC 8 full level

B30B 15/02 (2006.01); **B21D 37/14** (2006.01); **B21J 13/02** (2006.01); **B21J 13/08** (2006.01); **B44B 5/00** (2006.01)

CPC (source: EP US)

B21J 13/02 (2013.01 - EP); **B21J 13/03** (2013.01 - EP); **B21J 13/085** (2013.01 - EP); **B30B 15/026** (2013.01 - EP); **B44B 5/0052** (2013.01 - EP US); **B44B 5/0061** (2013.01 - EP); **B21D 28/16** (2013.01 - EP); **B21D 37/04** (2013.01 - EP); **B21D 37/14** (2013.01 - EP)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020207954 A1 20201015; CN 113727836 A 20211130; DE 102019109700 A1 20201015; DE 102019109700 B4 20210923; EP 3953165 A1 20220216; JP 2022528424 A 20220610; JP 2024026297 A 20240228; US 2022024245 A1 20220127

DOCDB simple family (application)

EP 2020059730 W 20200406; CN 202080028328 A 20200406; DE 102019109700 A 20190412; EP 20722220 A 20200406; JP 2021559309 A 20200406; JP 2023206465 A 20231206; US 202117498018 A 20211011