Title (en)

Method and bearing device for releasably connecting a gripping tool to the transverse beam of a transfer press

Title (de)

Verfahren und Lageranordnung zum lösbaren Befestigen eines Greifwerkzeugs am Querbalken einer Transferpresse

Title (fr)

Méthode et ensemble palier pour la connection détachable d'un outil de préhension à une barre transversale d'une presse de transfert

Publication

EP 1600226 A3 20051214 (DE)

Application

EP 05010561 A 20050514

Priority

DE 102004026245 A 20040528

Abstract (en)

[origin: EP1600226A2] Process for detachedly fixing a gripping tool (12) to a moving crossbeam (10) of a transfer press comprises passing the gripping tool into a rounded or tapered recess and pivoting with a bracket (16) to the crossbeam. Wedge surfaces on the bracket press a protrusion axially against the wall of the recess and the bracket is locked with a bearing. An independent claim is also included for a bearing arrangement for detachedly fixing a gripping tool to a moving crossbeam of a transfer press. Preferred Features: An axially moving locking bolt is guided into a bore in the bracket parallel to the middle longitudinal axis of the crossbeam.

IPC 1-7

B21D 43/05

IPC 8 full level

B21D 43/05 (2006.01); **B23Q 7/04** (2006.01); **B30B 15/00** (2006.01); **F16C 19/00** (2006.01)

CPC (source: EP US)

B21D 43/057 (2013.01 - EP US); Y10T 403/76 (2015.01 - EP US)

Citation (search report)

- [DA] US 5746567 A 19980505 - HERBERMANN ALFRED F [US], et al
- [A] EP 1402970 A1 20040331 - BILSING AUTOMATION GMBH [DE]

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DE102014204366A1; EP2111936A3; US10384258B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1600226 A2 20051130; **EP 1600226 A3 20051214**; **EP 1600226 B1 20080402**; AT E390967 T1 20080415; CN 1701948 A 20051130; CN 1701948 B 20100505; DE 102004026245 A1 20051215; DE 502005003526 D1 20080515; ES 2305942 T3 20081101; SI 1600226 T1 20081031; US 2005265640 A1 20051201; US 7267383 B2 20070911

DOCDB simple family (application)

EP 05010561 A 20050514; AT 05010561 T 20050514; CN 200510071352 A 20050527; DE 102004026245 A 20040528; DE 502005003526 T 20050514; ES 05010561 T 20050514; SI 200530246 T 20050514; US 13757205 A 20050526