

Title (en)

PRESS UNIT WITH GRIPPING BARS BEING CHANGEABLE SIMULTANEOUSLY WITH THE TOOLS

Publication

EP 0116684 B1 19870506 (DE)

Application

EP 83109243 A 19830919

Priority

DE 3235308 A 19820924

Abstract (en)

[origin: US4557133A] A press unit having gripper rails to be exchanged at the same time as the tools, wherein in hollow spaces of the ends of the gripper rails, means are inserted for the locking of the form-fitting or toothed connection of gripper rails on the side of the press and gripper rails on the side of the tool that are to be connected with one another for the transfer of workpieces. The device comprises a control element, a pressing rod that can be acted upon by the control element, and a locking member connected to said pressing rod, with said locking member being slidable in a preferably press side end of the gripper rails and a mating piece for receiving the locking member during the form-locking or toothed connection of the ends of the gripper rails and being slidable in an end at the side of the tool.

IPC 1-7

B21D 43/10

IPC 8 full level

B21D 43/05 (2006.01); **B21D 43/10** (2006.01)

CPC (source: EP US)

B21D 43/057 (2013.01 - EP US); **Y10T 403/50** (2015.01 - EP US); **Y10T 403/655** (2015.01 - EP US)

Cited by

EP0531523A4; AT391828B; EP0337247A3; EP0210745A3

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 3235308 A1 19840329; BR 8305229 A 19840502; DE 3371298 D1 19870611; EP 0116684 A1 19840829; EP 0116684 B1 19870506; US 4557133 A 19851210

DOCDB simple family (application)

DE 3235308 A 19820924; BR 8305229 A 19830923; DE 3371298 T 19830919; EP 83109243 A 19830919; US 53345383 A 19830919