

Title (en)

DEVICE AND METHOD FOR COUPLING AND UNCOUPLING GRIPPER BARS IN A TRANSFER PRESS

Publication

EP 0264732 B1 19911121 (DE)

Application

EP 87114736 A 19871009

Priority

DE 3636011 A 19861023

Abstract (en)

[origin: US4823587A] For coupling and decoupling gripper rail parts in a transfer press, clamping means with a clamping bolt movable in its axial direction and rotatable about the same are arranged in the end parts. The clamping bolt engages with a clamping anchor behind a clamping surface in the end part to be coupled. Centering means for the mutual alignment of the gripper rail parts and of coupling device for the lines taken along at the gripper rail parts are movable along with the clamping bolt. The closing of the coupling devices in the line leading to the clamping means takes place sequentially. The movements of the clamping bolts after the closing of the coupling devices can take place at the same time.

IPC 1-7

B21D 43/05

IPC 8 full level

B21D 43/05 (2006.01)

CPC (source: EP US)

B21D 43/057 (2013.01 - EP US); **Y10T 403/7007** (2015.01 - EP US)

Cited by

EP0337247A3

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

EP 0264732 A2 19880427; **EP 0264732 A3 19890628**; **EP 0264732 B1 19911121**; CA 1271723 A 19900717; DE 3636011 A1 19880428; DE 3774666 D1 19920102; ES 2028021 T3 19920701; US 4823587 A 19890425

DOCDB simple family (application)

EP 87114736 A 19871009; CA 549944 A 19871022; DE 3636011 A 19861023; DE 3774666 T 19871009; ES 87114736 T 19871009; US 11163187 A 19871023