

Title (en)
TRANSFER PRESS

Publication
EP 0191397 A3 19880720 (DE)

Application
EP 86101398 A 19860204

Priority
DE 3504765 A 19850213

Abstract (en)
[origin: ES8703311A1] Workpieces are stored in idling stages of transfer presses. The support elements (14) which are to be interchanged with the work tool change are to be rotated for bridging a larger idling stage area when brought into the idling stage in the transport direction of the workpieces. Toothed racks (7) which are movable in the direction of the support elements (14) brought-in with the sliding table into the transfer press are attached for that purpose at a gripping and holding mechanism. The toothed racks (7) are adapted to be connected with a traverse (13) carrying the support elements, whereby the support elements (14) are supported at the traverse (13) by way of mounting means (15), to which a rotary movement is adapted to be imparted and which are operatively connected with a rotary drive.

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)

Citation (search report)
• [AD] DE 3334021 C1 19840628 - MUELLER WEINGARTEN MASCHF
• [A] DE 3336082 A1 19840405 - KOMATSU MFG CO LTD [JP]
• [A] PATENT ABSTRACTS OF JAPAN, Band 9, Nr. 14 (M-352)[1737], 22. Januar 1985; & JP-A-59 163 036 (NISSAN JIDOSHA K.K.) 14-09-1984

Cited by
EP0283810A3; US5992208A

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
EP 0191397 A2 19860820; EP 0191397 A3 19880720; EP 0191397 B1 19910410; BR 8600540 A 19861021; DE 3504765 A1 19860821; DE 3678588 D1 19910516; ES 551904 A0 19870216; ES 8703311 A1 19870216; US 4713961 A 19871222

DOCDB simple family (application)
EP 86101398 A 19860204; BR 8600540 A 19860207; DE 3504765 A 19850213; DE 3678588 T 19860204; ES 551904 A 19860212; US 82818386 A 19860211