

Title (en)

GRIPPING DEVICES FOR IDLE STAGE AREAS OF A TRANSFER PRESS

Publication

EP 0195952 B1 19901205 (DE)

Application

EP 86102692 A 19860301

Priority

DE 3510697 A 19850323

Abstract (en)

[origin: ES8702809A1] For avoiding collisions between the grippers (5) adapted to be moved out of the idling stage area and the grippers (4) disposed fixedly at interchangeable gripper rail partial sections (1) and work tool parts, the grippers (5) which are adapted to be moved out of the idling stage area, are raised into an upright position. The grippers (5) and the rotary adjusting drive (10) for the uprighting are adapted to be moved out of the idling stage area on a carriage (18-gripper mounting support) by way of an adjusting means (13) at the exchangeable gripper rail partial section.

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)

Cited by

EP0210745A3; EP0516182A1; EP0344741A3; FR2619031A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 0195952 A2 19861001; EP 0195952 A3 19871028; EP 0195952 B1 19901205; BR 8601260 A 19861202; DE 3510697 A1 19860925; DE 3675963 D1 19910117; ES 553220 A0 19870116; ES 8702809 A1 19870116; US 4680954 A 19870721

DOCDB simple family (application)

EP 86102692 A 19860301; BR 8601260 A 19860321; DE 3510697 A 19850323; DE 3675963 T 19860301; ES 553220 A 19860321; US 83527786 A 19860303