

Title (en)

METHOD AND DEVICE FOR RESHAPING A WORK PIECE WITH AUTOMATIC HANDLING

Title (de)

VERFAHREN UND VORRICHTUNG ZUM UMFORMEN EINES WERKSTÜCKS MIT AUTOMATISCHER HANDHABUNG

Title (fr)

PROCEDE ET DISPOSITIF POUR FACONNER UNE PIECE PAR MANIPULATION AUTOMATIQUE

Publication

EP 1631401 B1 20080514 (DE)

Application

EP 04735197 A 20040528

Priority

- EP 2004005782 W 20040528
- DE 10326105 A 20030606
- DE 10333394 A 20030723

Abstract (en)

[origin: WO2004108323A1] According to the invention, a) the work piece is positioned between two associated tools in a predetermined or predeterminable reshaping area in at least one working region of at least one reshaping machine, b) during at least one reshaping step, the tools of the reshaping machine are successively displaced and the work piece is reshaped between the tools, c) during each reshaping step, the work piece is maintained by at least two handling devices in the reshaping area thereof, d) displacements and positions of the handling devices are automatically and successively co-ordinated, controlled or regulated by at least one control device.

IPC 8 full level

B21J 13/10 (2006.01); **B21J 13/08** (2006.01)

CPC (source: EP US)

B21J 13/08 (2013.01 - EP US); **B21J 13/10** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

WO 2004108323 A1 20041216; WO 2004108323 A8 20050714; DE 502004007147 D1 20080626; EP 1631401 A1 20060308; EP 1631401 B1 20080514; US 2006123871 A1 20060615; US 7350389 B2 20080401

DOCDB simple family (application)

EP 2004005782 W 20040528; DE 502004007147 T 20040528; EP 04735197 A 20040528; US 55904605 A 20051130