

Title (en)
A process of straightening fragile pieces

Title (de)
Verfahren zum Richten von bruchempfindlichen Werkstücken

Title (fr)
Procédé de dressage d' une pièce fragile

Publication
EP 1127632 B1 20031210 (EN)

Application
EP 00203669 A 20001020

Priority
IT MI20000319 A 20000222

Abstract (en)
[origin: EP1127632A2] A process for straightening fragile pieces (11), which includes a phase for calculating the maximum eccentricity error (E) of the piece (11) to be straightened, and a multiple number of phases for reducing the error in at least three directions, where the maximum eccentricity error (E) previously calculated is split up into at least three component vectors (R1, R2, R3), where the component (R1) is oriented in the direction of the maximum error (E), while the components (R2) and (R3) are oriented with respect to the component (R1) by an angle of $\pm \alpha$ DEG , and where the straightening phases are performed in the direction of the components (R1, R2, R3), with an intensity of blows proportional to the component modules (R1, R2, R3), by appropriately rotating the piece to be straightened (11) by $\pm \alpha$ DEG with respect to the direction of the maximum error (E), so that the same is oriented, from time to time, in the direction of the components (R1, R2, R3). <IMAGE>

IPC 1-7
B21D 3/10

IPC 8 full level
B21D 3/10 (2006.01)

CPC (source: EP)
B21D 3/10 (2013.01)

Cited by
CN112275846A; JP2015174106A

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
EP 1127632 A2 20010829; EP 1127632 A3 20020306; EP 1127632 B1 20031210; DE 60007065 D1 20040122; DE 60007065 T2 20040923; IT 1316652 B1 20030424; IT MI20000319 A0 20000222; IT MI20000319 A1 20010822

DOCDB simple family (application)
EP 00203669 A 20001020; DE 60007065 T 20001020; IT MI20000319 A 20000222