

Title (en)

METHOD AND DEVICE IN A SHEET METAL WORKING MACHINE

Title (de)

VERFAHREN UND VORRICHTUNG IN EINER BLECHBEARBEITUNGSMASCHINE

Title (fr)

PROCEDE ET APPAREIL CONTENU DANS UNE MACHINE A USINER LA TOLE

Publication

EP 1347846 B1 20050817 (EN)

Application

EP 01999444 A 20011203

Priority

- FI 0101047 W 20011203
- FI 20002653 A 20001204

Abstract (en)

[origin: WO0245879A1] The invention relates to a method for transferring a carriage (11, 12) in a sheet metal working machine, wherein a carriage (11, 12) of a moving carriage arrangement in connection with said sheet metal working machine is transferred by means of at least two actuators (16a, 17a; 18a, 19a) parallel in the direction of movement of said carriage (11, 12) controlled by a control value (S) of the position given by a control centre (41), in order to transfer a sheet (14) to be machined and attached to the mounting means (13) of the carriage arrangement, substantially in the main plane of the sheet (14) to perform machining directed to the sheet (14). In accordance with the invention, to prevent twisting caused by asymmetric loading, individual separate measuring values (M16,M17) of the position are determined for the at least two parallel actuators (16a,17a;18a,19a) by means of separate positioning systems (16b,17b;18b,19b) attached in connection with each of said actuators, and each of said separate actuators (16a,17a;18a,19a) is controlled independently and separately by means of difference value between a control value given by the control centre (41) and the measuring value (M16,M17) of the position related to said individual actuator. The invention further relates to an apparatus implementing the method.

IPC 1-7

B21D 43/00

IPC 8 full level

B21D 43/00 (2006.01)

CPC (source: EP)

B21D 43/00 (2013.01); **B21D 43/003** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0245879 A1 20020613; AT E302075 T1 20050915; AU 2077102 A 20020618; DE 60112797 D1 20050922; DE 60112797 T2 20060608; DK 1347846 T3 20060102; EP 1347846 A1 20031001; EP 1347846 B1 20050817; ES 2246354 T3 20060216; FI 109410 B 20020731; FI 20002653 A0 20001204

DOCDB simple family (application)

FI 0101047 W 20011203; AT 01999444 T 20011203; AU 2077102 A 20011203; DE 60112797 T 20011203; DK 01999444 T 20011203; EP 01999444 A 20011203; ES 01999444 T 20011203; FI 20002653 A 20001204